

# Kansas

## Annual Summary of Vital Statistics, 2010



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November 2011

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“Remember to see the faces in the numbers.”

---Anonymous

Our Vision – Healthy Kansans Living in Safe and Sustainable Environments

**Our Mission – To protect the health and environment of all Kansans by promoting responsible choices**

# **ANNUAL SUMMARY OF VITAL STATISTICS KANSAS, 2010**

**Sam Brownback, Governor**

**Robert Moser, MD, Secretary  
Department of Health and Environment**

**Prepared by the:  
Division of Health  
Bureau of Epidemiology and Public Health Informatics  
November 2011**



Robert Moser, MD, Secretary

Department of Health & Environment

Sam Brownback, Governor

Dear Kansans:

The Kansas Department of Health and Environment has completed the *2010 Annual Summary of Vital Statistics*. This report contains information on births, deaths, marriages, divorces, abortions and stillbirths. It is a valuable tool for program evaluation and community health assessment.

This summary provides information that all Kansans can use to identify the health issues we're facing and help prioritize efforts as we work to reduce the problems. These important statistics serve as a progress report for healthcare professionals and community leaders working to evaluate our public health and human services programs and make adjustments to improve health outcomes.

I encourage you to take a look at this summary. Become familiar with Kansas' vital statistics and the areas illustrating a need for improvement.

The most notable change for 2010 was the decrease in the number of infant deaths. The 253 deaths were 12.8 percent fewer than the 290 recorded in 2009. The state's infant mortality rate was 6.3 infant deaths per 1,000 live births. The infant mortality rate for black non-Hispanics declined in 2010, but at 11.9 infant deaths per 1,000 live births, it remains too high.

The number of deaths to Kansas residents increased 1.8 percent in 2010, rising from 23,997 in 2009 to 24,428. The increase was not statistically significant. However, over the past 20 years the state's age-adjusted death rate has decreased by 12.6 percent from its peak of 8.7 deaths per 1,000 population in 1999 to 7.6 deaths per 1,000 population in 2010.

Kansas resident births (40,439) decreased by 2.3 percent from the 41,388 births in 2009. The resident birth rate of 14.2 births per 1,000 population in 2010. The birth rate has decreased from a peak of 15.1 in 2007.

Pregnancy associated deaths increased to 19 in 2010 from 17 in 2009.

The 10 leading causes of death to Kansas residents remained unchanged. Heart disease returned to the leading cause of death in 2010 after cancer became the leading cause in 2009. Pneumonia and influenza fell to the ninth leading cause of death due to a decrease in the number of deaths from that cause in 2010.

The number of reported abortions fell from 9,474 in 2009 to 8,373 in 2010. The resident abortion ratio of 104.4 abortions per 1,000 live births is the lowest since 1996 when the ratio was 186.3 abortions per 1,000 live births.

The number of marriages dropped slightly in 2010 to 18,150 from 18,268 in 2009. The number of marriage dissolution (divorces and annulments) in Kansas increased in 2010 to 10,579 from 10,333 in 2009.

Overall, 97,987 vital events either occurred to Kansans (birth, death, stillbirth, abortion) or occurred in Kansas (marriage and marriage dissolution).

There are over 120 tables and figures in this year's report. Again, please take a moment to review them. These statistics are shared by all Kansans.

A handwritten signature in black ink that reads "Robert Moser".

Robert Moser, M.D.  
Secretary and State Health Officer  
Kansas Department of Health and Environment

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# Annual Summary 2010

## Introduction

The 2010 *Annual Summary of Vital Statistics* is a general summary of data compiled from vital event records during calendar year 2010. Content includes statistics from live births, stillbirths, abortions, deaths, marriages, and marriage dissolution based on certificates and reports filed with the Office of Vital Statistics in the Bureau of Epidemiology and Public Health Informatics.

Tables and figures presented for births, stillbirths, and deaths are residence data unless otherwise indicated. Occurrence data are presented for marriage and marriage dissolution tables and figures. Reported abortions include both residence and occurrence events.

This report, available only electronically, provides an overview of the events contributing to the health status of Kansans. Report statistics are essential to governmental agencies, businesses, industries, and citizens for effective health policy decisions and program planning. A .pdf version of the *Annual Summary* is at <http://www.kdheks.gov/hci/annsumm.html>.

This year's annual summary reflects a change in the presentation and discussion of results. This section focuses on key public health areas with less presentation of self-evident information. Charts are used to help illustrate summary results.

Comments concerning the format or content of this report may be directed to the Bureau of Epidemiology and Public Health Informatics' Public Health Informatics (785-296-1531) or e-mail [gcrawford@kdheks.gov](mailto:gcrawford@kdheks.gov).

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## Population

Kansas increased in population from 2,818,747 residents in 2009 to 2,853,118 residents in 2010, a 1.2 percent increase. Geary, Riley, and Pottawatomie Counties had the largest relative increases in population from 2006 to 2010 with percent changes of 42.1, 13.7, and 12.4 respectively. Kiowa, Kearny, and Chase counties had the largest relative decreases in population, with changes of 14.0, 11.0 and 9.1 percent respectively. (Table 4)

## Population Density and Peer Groups

The population density of Kansas was 34.9 inhabitants per square mile in 2010, a 14.4 percent increase from 30.5 persons per square mile in 1991. For comparison, the population density of the U.S. increased from 67.5 to 87.4 persons per square mile from 1991 to 2010, a 29.5 percent increase. (Figure 8)

In 2010, 36 of the state's 105 counties had population densities of less than 6.0 persons per square mile. The most sparsely populated counties were Greeley and Wallace, with a density of 1.6 persons per square mile. The most densely populated county was Johnson, with 1,149.6 persons per square mile. (Figure 9)

Several Kansas counties have been re-categorized from one population-density group to another, to reflect population shifts indicated by the 2010 U.S. Census. (See the Technical Notes)

As a result of these changes, the frontier, densely-settled rural, and urban peer groups had increases in population 2006-2010 of 25.6, 9.7, and 9.6 percent, respectively, while the semi-urban and rural peer groups had decreases in population of 15.0 and 11.4 percent, respectively. (Table 4)

## Natural Increase

In 2010, the rate of natural increase (the birth rate minus the death rate) was 5.6 persons per 1,000 population, down 9.7 percent from the rate of 6.2 persons per 1,000 population rec-

ordered in 2009. Over the past 20 years (1991-2010), the rate of natural increase has fluctuated between a maximum of 6.3 persons per 1,000 population (1992, 2007) and a minimum of 5.0 persons per 1,000 population (1996). (Figure 5)

The population of Kansas increased about 211,000 from the 1990 Census to the 2000 Census, and by about 165,000 from the 2000 Census to the 2010 Census. Natural increase accounted for about 68 percent (144,000) of the increase in population in the 1990s, but it accounted for almost 96 percent (158,000) of the increase in population in the 2000s. Net immigration accounted for about 32 percent (67,000) of the population increase in the 1990s, but it accounted for only about 4 percent (7,000) in the 2000s.

### **Median Age**

The median age of Kansans in 2010 was 36.0 years, a 8.8 percent increase from the median age of 33.1 in 1991. The median ages of Kansas males and females in 2010 were 34.7 and 37.4 respectively. (Figure 6, Table 6)

### **Population Characteristics**

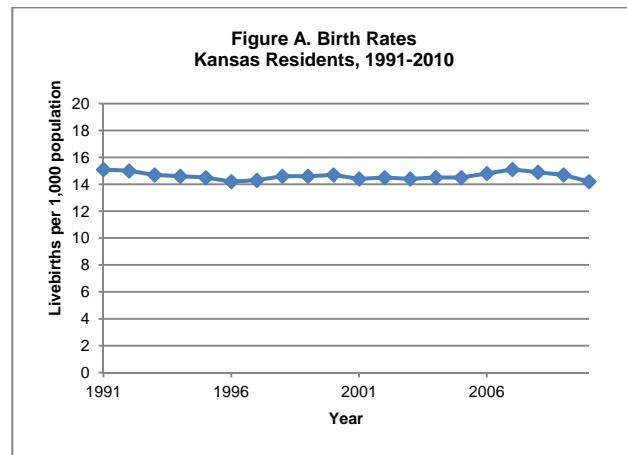
The percent increase in the Kansas total population from 1991-2010 was 14.3 percent, including a 15.5 percent increase for Kansas males and a 13.2 percent increase for Kansas females. Shifts in the Kansas population distribution by age from 1991 to 2010 included decreases in the 25-34 and 35-44 age groups of 6.2 and 8.2 percent respectively. An increase of 70.6 percent in residents 45-54 years of age and 61.5 percent in residents 55-64 reflected the aging of the baby boomers. Furthermore, there were 7.9, 5.0, 15.9, 2.2 and 16.3 percent increases in the 0-4, 5-14, 15-24, 65-74 and 75 and over age-groups respectively. (Figure 7, Table 6)

According to the 2010 Census results, 78.2 percent of Kansans were White non-Hispanic and 5.7 percent were Black non-Hispanic. Hispanics made up 10.5 percent of Kansas' population. (Tables 7 and 8)

### **Births**

During 2010, there were 40,439 live births to residents of Kansas. This was a decrease of 2.3 percent from the 41,388 births reported in 2009. The birth rate decreased 3.4 percent, from 14.7 births per 1,000 population in 2009 to 14.2 births per 1,000 population in 2010. (Table 9)

Over the past 20 years (1991-2010), the Kansas birth rate has fluctuated between a peak of 15.1 births per 1,000 population (reported in 1991 and 2007) and a low of 14.2 births per 1,000 population (reported in 1996 and 2010) (Figure A). Birth rates decreased for several years in a row from 1991 to 1996, and from 2008 to 2010. (Table 11, Figure 10)



### **Population Group Statistics**

In 2010, there were 29,000 births to resident White non-Hispanic mothers, an increase of 1.9 percent from the 28,471 births reported in 2009. The birth rate for White non-Hispanic mothers decreased 0.8 percent, from 13.1 births per 1,000 population in 2009 to 13.0 births per 1,000 population in 2010 (Table 26).

There were 6,407 births to Hispanic mothers in 2010, a decrease of 5.6 percent from the 6,790 births reported in 2009. The birth rate for Hispanic mothers decreased 17.1 percent, from 25.8 births per 1,000 population in 2009 to 21.4 births per 1,000 population in 2010.

There were 2,780 births to Black non-Hispanic mothers in 2010, a decrease of 1.8 percent from the 2,830 births reported in 2009. The birth rate for Black non-Hispanic mothers remained

unchanged from 2009, at 17.1 births per 1,000 population (Table 29, Table 8).

### **Fertility Rates**

The number of Kansas females in the main child-bearing age bracket (ages 15-44) increased fairly steadily from 557,000 in 1991 to 574,617 in 1999, then decreased to 554,584 in 2010. The fertility rate decreased 4.1 percent from 1991 to 1996 (from 67.6 to 64.8 live births per 1,000 females aged 15-44), then increased 16.5 percent from 1996 to 2007 (from 64.8 to 75.5 live births per 1,000 females aged 15-44). From 2007 to 2010, the fertility rate declined by 3.7 percent (from 75.5 to 72.7 live births per 1,000 females aged 15-44). (Figure 11)

Of the 40,439 resident births in 2010, there were 20,652 males and 19,787 females, for a natal sex ratio of 104.4 male births to 100.0 female births. In most populations, this ratio is in the range of 104-106, although some populations experience ratios as low as 103 or as high as 107, even in the absence of deliberate sex selection.<sup>1</sup> (Table 13)

### **Low Birth Weight**

During 2010, low birth-weight (under 2,500 grams) infants accounted for 2,867 or 7.1 percent of births to Kansas resident mothers. Low birth-weights were more common for Black non-Hispanic mothers (13.5%) than for White non-Hispanic (6.5%) or Hispanic (6.3%) mothers. High birth-weight (4,000 grams and over) infants accounted for 3,412, or 8.4 percent of births to Kansas resident mothers. High birth-weights were more common for White non-Hispanic mothers (9.2%) than for Hispanic (7.6%) or Black non-Hispanic (4.4%) mothers. (Table 27)

### **Gestation**

Infants born at birth-weights less than the 10th percentile of all other infants at the same gestational age (lowest 9.9 percent) are considered small for gestational age (SGA). Table 22 uses birth-weights from 2010 births for the state of Kansas as a whole as the reference in establishing the cutoff point. The table enables a county to compare its SGA rate to that of the

state. While a number of counties have high SGA rates, they are based on a relatively low number of births.

### **Mother's Age**

Of the 40,439 resident births in 2010, 9.6 percent (3,879) were to mothers under the age of 20; 57.6 percent (23,307) were to mothers 20-29 years of age; 30.8 percent (12,437) were to mothers 30-39 years of age; and 2.0 percent (809) were to mothers aged 40 or over. (Table 25)

Of the 29,000 resident births to White non-Hispanic mothers, 2,556 (8.8%) were to mothers under the age of twenty. Of the 2,780 births to Black non-Hispanic mothers, 542 (19.5%) were to mothers under the age of 20. Of the 6,407 births to Hispanic mothers, 1,136 (17.7%) births were to mothers under the age of 20. (Table 32)

### **First Trimester Care**

Prenatal care data was provided for 39,362 out of 40,439 (97.3%) deliveries in 2010. Prenatal care began in the first trimester for 29,552 deliveries (75.1 percent of deliveries where prenatal care data was available), in the second trimester for 7,875 deliveries (20.0%), and in the third trimester for 1,530 deliveries (3.9%). No prenatal care was indicated for 405 deliveries (1.0%).

White non-Hispanic mothers started prenatal care in the first trimester in 79.9 percent of deliveries (22,810). Black non-Hispanic mothers started prenatal care in the first trimester in 62.2 percent of deliveries (1,610). Hispanic mothers started prenatal care in the first trimester in 58.4 percent of deliveries (3,540). (Table 26)

### **Prenatal Care Status**

Of the 38,823 Kansas resident live births in 2010 for which the adequacy of prenatal care utilization (APNCU) category could be determined, 79.8 received adequate or better prenatal care, including 30.6 percent with adequate-plus care. About twenty percent (20.2) received less than adequate prenatal care, including 14.2 percent with inadequate care. (Table 18)

<sup>1</sup> UNFPA Guidance Note on Prenatal Sex Selection, p. 11.

### **Mother's Weight Gain**

Among singleton Kansas live births, 19.8 percent of mothers gained less than the recommended weight during pregnancy, 31.8 percent gained the recommended weight, and 48.4 percent gained more than the recommended amount. (Table 23)

### **Marital Status**

During 2010, 15,241 (37.7%) of the 40,439 resident live births in Kansas were to unmarried mothers. There were 9,010 (31.1%) out-of-wedlock births to White non-Hispanic mothers; 2,000 (71.9%) to Black non-Hispanic mothers; and 3,514 (54.8%) to Hispanic mothers. (Table 27, Table 30)

The percentage of out-of-wedlock births has continued an upward trend over the years in both Kansas and the U.S. Out-of-wedlock births comprised 37.7 percent of all live births to Kansas residents in 2010, a 62.5 percent increase from 23.2 percent of live births in 1991. (Figure 16)

### **Delivery Method**

Spontaneous vaginal delivery was the most common form of delivery in 2010 for Kansas resident mothers, with 26,403 deliveries (65.3 percent of births for which the final route was stated). Other vaginal deliveries (forceps assisted or vacuum extraction) accounted for 1,684 births (4.2%). Cesarean deliveries accounted for 12,326 births (30.5%). White non-Hispanic mothers delivered via cesarean section in 8,995 births (31.0%), Black non-Hispanic mothers in 912 births (32.8%), and Hispanic mothers in 1,717 births (26.8%). There were 26 deliveries for which the final route of delivery was not recorded. (Table 28)

### **Tobacco Use**

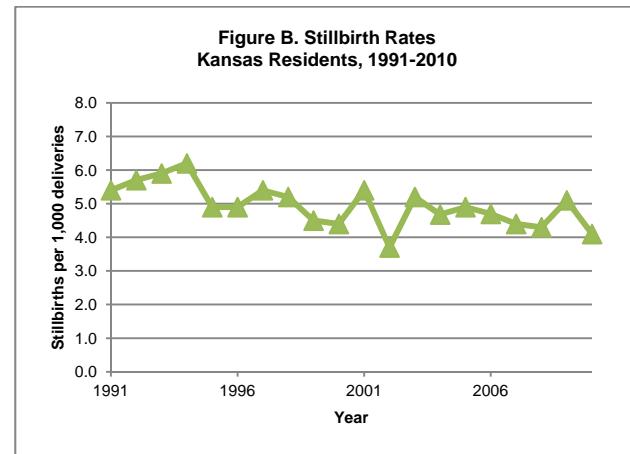
Tobacco use at any time during pregnancy was reported for 5,919 births in 2010, amounting to fifteen (15.0) percent of births for which tobacco usage was reported. Tobacco use was known for 39,396 of the 40,439 births (97.4%) in 2010. Reported tobacco usage was highest in the three months immediately prior to pregnancy (6,948, or 17.6%) and decreased gradually with each trimester: to 5,828, or 14.8 percent in the first trimester; then to 5,171, or 13.1 percent in

the second trimester; and finally to 5,005, or 12.7 percent in the third trimester. (Table 21)

### **Stillbirths**

During 2010 there were 168 stillbirths reported for Kansas resident mothers, a decrease of 21.1 percent from the 213 stillbirths reported in 2009. The stillbirth rate was 4.1 per 1,000 deliveries, a decrease of 19.6 percent from the rate of 5.1 stillbirths per 1,000 deliveries in 2009. (Table 35)

In 2010 the stillbirth rate (per 1,000 deliveries) was 3.4 for White non-Hispanics, 5.0 for Black non-Hispanics, and 6.5 for Hispanics. (Figure 20)



Over the past twenty years (1991-2010), stillbirth rates have fluctuated, but Poisson regression indicates that the general trend has been downward (Figure B).

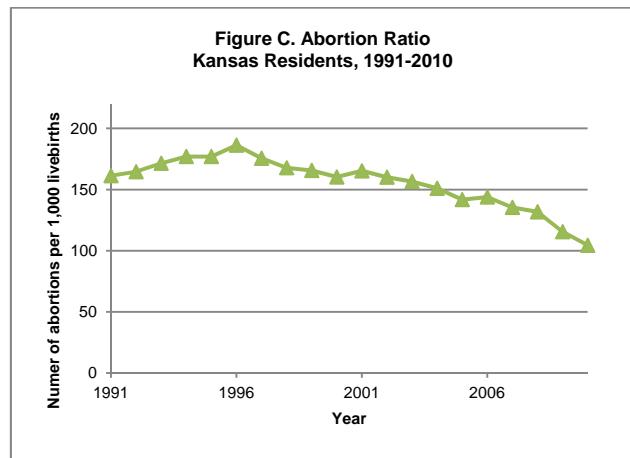
Of all stillbirths in 2010, 82.7 percent were attributed to conditions originating in the perinatal period, 15.5 percent to congenital anomalies, and 1.2 percent to all other causes. (Table 45)

### **Abortions**

In 2010, there were 4,223 abortions performed for Kansas residents, of which 4,183 were performed in Kansas, and 40 were performed out-of-state. There were also 4,150 abortions performed in Kansas for non-residents. (Table 38)

## **Abortion Ratios**

The abortion ratio for Kansas residents in 2010 was 104.4 abortions per 1,000 live births, a decrease of 9.6 percent from the 115.5 ratio in 2009. The 2010 abortion ratio was the lowest in the past twenty years (1991-2010), down from a peak of 186.3 abortions per 1,000 live births in 1996. (Figure C) (Table 39, Figure 21)



The abortion ratio for Kansas residents in 2010 varied substantially by age-group of mother. The highest ratio (638.9 per 1,000 live births) was recorded for mothers under 15 years of age, while the lowest (70.7 per 1,000 live births) was recorded for mothers in the 30-34 age group. (Figure 22)

The abortion ratio for White non-Hispanics was 88.7 abortions per 1,000 live births (2,572 resident abortions); for Black non-Hispanics it was 241.0 (670 resident abortions); and for Hispanics it was 84.1 (539 resident abortions). (Table 39)

## **Gestation at Termination**

In 2010, 65.3 percent of Kansas resident abortions occurred prior to nine completed weeks of gestational age. Eighty-eight percent (88.2) were performed prior to the 13<sup>th</sup> week of gestation. Slightly fewer than six percent (5.9) of Kansas resident teenage women obtained an abortion after 16 weeks gestation, compared to 3.9 percent aged 20 or over. (Table 39)

## **Marital Status**

Slightly more than eighty-five percent (85.2) of all reported abortions in 2010 were to unmarried women. Among Black non-Hispanic women

in this group, 92.0 percent were unmarried, while 85.1 percent of White non-Hispanic women and 81.1 percent of Hispanic women were unmarried. (Table 40)

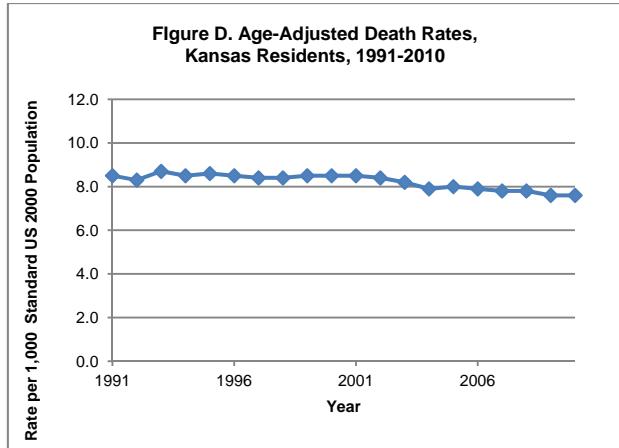
## **Teen Pregnancy**

It is important to look at all reported pregnancies to analyze fertility. The number of pregnancies is the sum of live births, reported still-births, and reported induced abortions. The total number of pregnancies for mothers under 20 years of age in 2010 was 4,501, down 10.6 percent from 5,036 pregnancies in 2009. The pregnancy rate for mothers under 20 years of age in 2010 was 23.1 pregnancies per 1,000 female age-group population, a decline of 13.8 percent from a rate of 26.8 pregnancies per 1,000 female age-group population in 2009. This was the lowest pregnancy rate for this age-group in the past twenty years (1991-2010), down from a peak of 35.2 pregnancies per 1,000 female age-group population in 1993. (Table 31, Figure 19)

## **Deaths**

There were 24,428 Kansas resident deaths recorded in 2010, an increase of 1.8 percent from the 23,997 deaths recorded in 2009. The Kansas crude death rate in 2010 was 8.6 deaths per 1,000 population, which was 8.9 percent higher than the estimated US crude rate of 7.9 deaths per 1,000 population. (Table 43, Figure 26)

The Kansas age-adjusted death rate (see Technical Notes for a discussion of age-adjusted rates) for 2010 was 7.6 deaths per 1,000 standard U.S. 2000 population, unchanged from 2009. (The age-adjusted rates for 2010 and 2009 do differ if stated per 100,000 population—759.8 and 759.4, respectively—but the confidence intervals overlap, and so the difference is not statistically significant.) The age-adjusted death rate for males (9.1) was 42.2 percent higher than that for females (6.4). (Table 53, Table 60)



The Kansas age-adjusted death rate has declined in most of the past twenty years (1991-2010), and in 2010 was 12.6 percent below its peak for the period (8.7, in 1993). (Figure D) (Figure 30, Table 53)

### **Age at Death**

The average age at death of Kansas residents in 2010 was 74.1 years, a 0.4 percent increase from the average age at death of 73.8 years in 2009. (Table 56)

Average age at death varied by sex and population group. In 2010, males died 7.6 years younger than females (70.3 versus 77.9 years). The average age at death for the White non-Hispanic population was 75.5 years, 11.3 years older than that of the Black non-Hispanic population (64.2 years), and 17.9 years older than that of the Hispanic population (57.6 years). (Table 56)

About 63 percent (62.8) of White non-Hispanic Kansas residents who died in 2010 were 75 years of age or older, while only 38.6 percent of deceased Black non-Hispanic residents and 36.7 percent of deceased Hispanic residents had reached the age of 75. (Table 56)

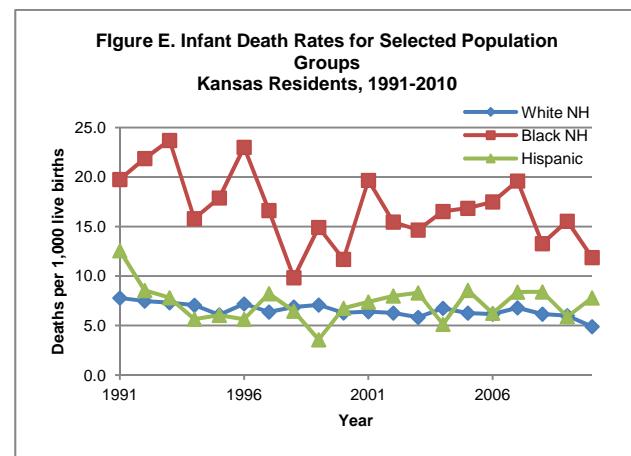
### **Infant Mortality**

There were 253 infant deaths to Kansas residents in 2010, a decrease of 12.8 percent from 290 infant deaths in 2009. (Table 49)

The infant mortality rate for Kansas residents in 2010 was 6.3 infant deaths per 1,000 live births, down ten (10.0) percent from a rate of 7.0 in 2009. The rate for White non-Hispanic mothers

was 4.9 deaths per 1,000 live births, a decrease of 18.3 percent from the rate of 6.0 in 2009. The rate for Black non-Hispanic mothers was 11.9 deaths per 1,000 live births, a decrease of 23.2 percent from the rate of 15.5 in 2009. The rate for Hispanic mothers was 7.8 deaths per 1,000 live births, an increase of 32.2 percent from the rate of 5.9 in 2009. Caution should be used in interpreting these changes due to the relatively small number of occurrences. (Table 48)

Infant death rates for Black non-Hispanic mothers have consistently remained higher than those of White non-Hispanic and Hispanic mothers for the past twenty years (1991-2010). Rates for Hispanic mothers have sometimes been higher, sometimes lower than those for White non-Hispanic mothers (Figure E).



### **Infant Age at Death**

Infant deaths are most likely to occur within the first month of life. In 2010, 47.0 percent of all infant deaths occurred in the first day of life, 56.5 percent occurred within the first seven days of life (the hebdomadal period), and 67.2 percent occurred within the first 28 days of life (the neonatal period). (Table 50)

Both components of perinatal period III mortality (see definition in Technical Notes) decreased from 2009 to 2010; stillbirths decreased 21.1 percent, and hebdomadal deaths decreased 0.7 percent. There were 311 perinatal period III deaths in 2010, for a death rate of 7.7 deaths per 1,000 live births plus stillbirths, a decrease of 19.8 percent from the 1991 rate of 9.6. (Table 46)

Of all infant deaths in 2010, 43.9 percent were attributed to conditions originating in the perinatal period, 26.1 percent to congenital anomalies, 10.3 percent to sudden infant death syndrome (SIDS), and 19.8 percent to all other causes. (Table 50)

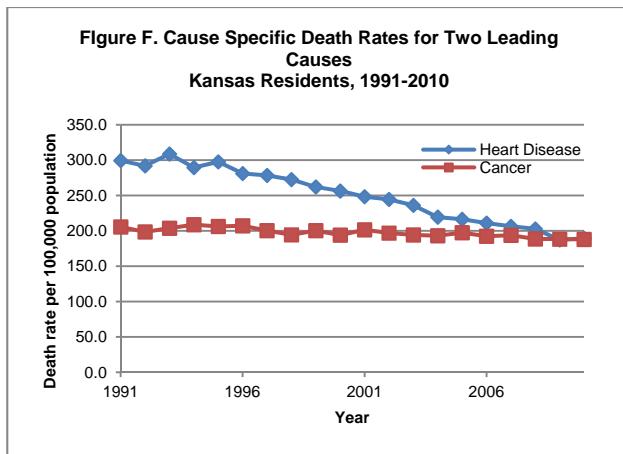
### **Maternal Mortality**

In the 2008 report, Kansas adopted the definition of “maternal death” used by the National Center for Health Statistics (NCHS), and introduced a new category called “other pregnancy associated deaths.” Please see the Technical Notes for full definitions. The new categories were applied retroactively to 2005; before 2005 the Kansas death certificate lacked an important field needed to identify pregnancy associated deaths. In 2010, there were seven maternal deaths and twelve other pregnancy related deaths, an overall increase from 2009, when there were eight maternal deaths and nine other pregnancy related deaths. (Figure 29)

### **Leading Causes of Death**

The ten leading causes of death in Kansas remained unchanged from 2009 to 2010, though their order changed in some cases. Heart disease returned as the leading cause of death after being displaced by malignant neoplasms in 2009. Pneumonia and influenza dropped one position, switching places with nephritis, nephrotic syndrome, and nephrosis (positions 8 and 9). All other rankings in the ten leading causes remained unchanged.

None of the changes in age-adjusted death rate for the ten leading causes was statistically significant; for each of the ten leading causes, the confidence intervals for the 2010 age-adjusted death rate overlapped the confidence intervals for the 2009 age-adjusted death rate. The ten leading causes of death accounted for 74.0 percent of all Kansas resident deaths in 2010. (Table 60)



Historical cause-specific (crude) death rates over the past twenty years illustrate the convergence of heart disease and malignant neoplasms (cancer) mortality (Figure F). Mortality due to both diseases has declined, but heart disease deaths have declined much more rapidly than cancer deaths. In 2010, the heart disease death rate was 189.4 deaths per 100,000 population, while the cancer death rate was 187.8 per 100,000 population. (Table 59, Figure 31)

### **Age at Death**

For any given cause of death, there can be wide variations in average age of death by sex of decedent. Males and females who died from malignant neoplasms did so at about the same ages (71.1 and 72.3 years, respectively), but males who died from heart disease did so at younger ages than did females (74.9 and 82.5 years, respectively). Males and females dying from chronic lower respiratory disease did so at about the same ages (76.4 and 78.5 years, respectively), but males dying of cerebrovascular disease did so at younger ages than did females (77.2 and 83.3 years, respectively). Males and females died from suicide at about the same average ages (43.4 and 42.2, respectively), but males died from unintentional injuries at much younger ages than females (49.7 and 62.0 years, respectively). Alzheimer’s disease killed at the highest average ages for both sexes (84.8 years for males, 87.4 years for females). (Table 59)

The leading causes of death also varied by age-group. In 2010, the leading cause of death for infants (up to one year of age) was conge-

nital anomalies. For age-groups 1-4, 5-14, 15-24, and 25-44 the leading cause of death was unintentional injuries. For age-groups 45-64 and 65-84 the leading cause of death was cancer, and for ages 85 and above the leading cause of death was heart disease. (Figure 32)

For the 15-24 age-group, unintentional injuries were followed by suicide and homicide as leading causes of death. Together, they accounted for 77.2 percent of deaths in this age-group. (Table 58)

### **Cerebrovascular Disease**

Kansas death rates from cerebrovascular disease decreased to 47.9 per 100,000 population in 2010, down 4.4 percent from a rate of 50.1 per 100,000 population in 2009. This is the lowest death rate due to cerebrovascular disease in the past twenty years (1991-2010). (Figure 31)

### **External Causes**

In 2010, the unintentional injury death rate was 47.2 deaths per 100,000 population, an increase of 2.2 percent from the rate of 46.2 in 2009. The 2010 rate was the highest unintentional injury death rate in the past twenty years. (Table 59, Figure 31)

Motor-vehicle injuries resulted in 470 deaths in 2010, accounting for 34.9 percent of 1,346 unintentional injury deaths. This was an increase of 18.1 percent from 398 motor-vehicle injury deaths in 2009. (Table 64)

### **Suicide**

In 2010, 409 Kansas residents died due to suicide, up 8.8 percent from 376 suicide deaths in 2009. Over three-quarters (78.0%) of suicide victims were male. The two age groups with the largest number of suicides were 45-54 (105 deaths) and 25-34 (79 deaths). The three most common methods of suicide were firearms (214 deaths), suffocation (102 deaths), and poisoning (67 deaths). (Table 65, Table 72)

### **YPLL 75 Statistics**

Mortality in Kansas was responsible for 185,376 years of potential life lost before age 75 in 2010 (see Technical Notes – Years of Potential Life Lost). Cancer, unintentional injury, and heart

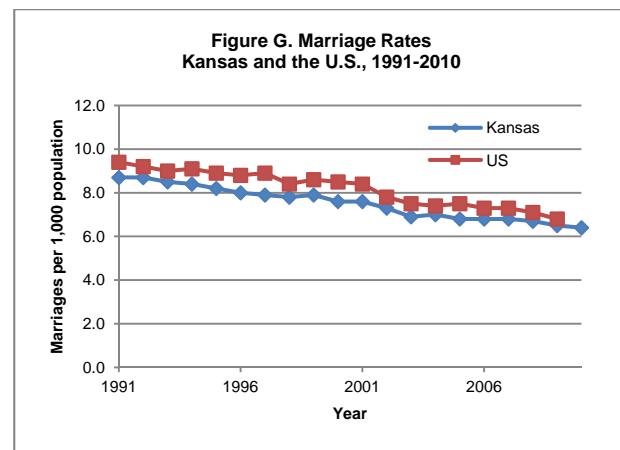
disease accounted for the most years of potential life lost (38,890, 32,162, and 24,676 years lost, respectively). Men lost more than twice the potential years of life to unintentional injuries than did women (23,134 years and 9,028 years, respectively) (Table 69)

### **Tobacco and Mortality**

Tobacco use contributed to 3,488 deaths in Kansas in 2010 (24.4 percent of the deaths where the tobacco contribution was known). Tobacco use was a contributing factor in 30.4 percent of male deaths, and in 18.7 percent of female deaths. The causes of death showing the largest tobacco contribution were cancer of the trachea, bronchus and lung (86.5%), chronic lower respiratory disease (85.6%), and ischemic heart disease (33.0%). (Table 71) Physicians and coroners can state on the death certificate whether tobacco contributed to the death. Because information may not be available at the time the death certificate is completed, tobacco's contribution may be subject to some under-reporting.

### **Marriages**

In 2010, 18,150 marriages occurred in Kansas, a decrease of 0.6 percent from the 2009 total of 18,268 marriages. (Table 74)



The Kansas marriage rate in 2010 was 6.4 marriages per 1,000 population. This is the lowest Kansas marriage rate in the past twenty years (1991-2010), 26.4 percent below the 1991 peak of 8.7 marriages per 1,000 population for the period (Figure G). For the entire period, Kansas marriage rates have been lower than U.S. marriage rates. (Figure 36)

## **Marriage Characteristics**

First-time marriages made up more than half of the marriages in Kansas for the twelfth consecutive year. In 2010, 56.5 percent of all marriages involved first-time partners. (Table 78)

More wedding ceremonies were performed in June (12.5%) than any other month in 2010. October and July were the second and third most popular months. (Figure 38)

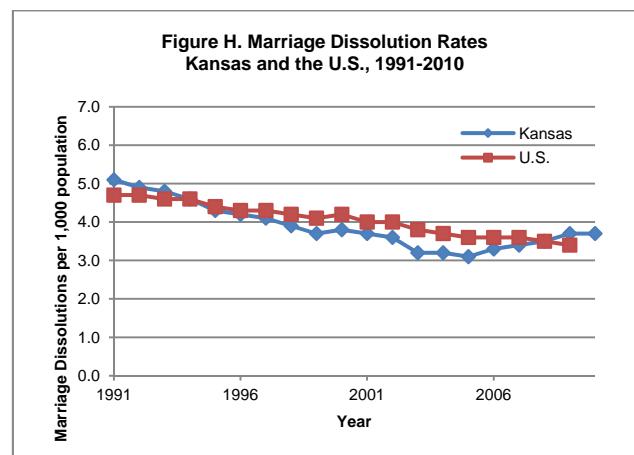
Kansas couples are delaying marriage. In 1991, 12.6 percent of the brides and 5.0 percent of the grooms were under 20 years of age. In 2010, however, only 7.5 percent of the brides and 2.8 percent of the grooms were under 20. (Table 79)

## **Age at Marriage**

The average age of all brides in 2010 was 30.0 years and that of grooms was 32.1 years. Women marrying for the first time averaged 25.1 years while first time grooms averaged 26.9 years. Of those persons who remarried in 2010, women were, on average, 39.8 years old and men were 42.8 years of age. (Figure 39)

## **Marriage Dissolutions**

In 2010, 10,579 marriage dissolutions (10,299 divorces and 280 annulments) occurred in Kansas, an increase of 2.4 percent from the 2009 total of 10,333. (Table 75 and Table 81)



The Kansas marriage dissolution rate in 2010 was 3.7 per 1,000 population, which was 27.5 percent lower than the 1991 rate of 5.1 (Figure H). Kansas reported a higher marriage dissolution rate than the U.S. from 1952 to 1994. How-

ever, in 1995, the state's rate (4.3) dropped below the U.S. rate (4.4) and remained below the national norm until 2008. U.S. rates for 2010 had not been released at the time this summary was written. (Figure 37)

The ratio of marriages to divorces in Kansas in 2010 was 1.7:1. (Table 74, Table 75)

## **Age at Marriage Dissolution**

The most common age-group of husbands involved in marriage dissolution in 2010 was 30-34; the most common age-group of wives involved in marriage dissolution was 25-29. For couples of the same age-group, the most common age-group was also 25-29. (Table 80)

The average age at marriage dissolution in 2010 was 37.3 years for wives and 39.5 years for husbands, as compared to 33.5 years for wives and 35.9 years for husbands in 1991. (Figure 40)

## **Marriage Dissolution Characteristics**

In 2010, 35.1 percent of marriages ending in divorce or annulment lasted four years or less. (Table 81)

There were 10,086 minor children affected as a result of marriage dissolution in 2010. At least one minor child was reported to be involved in half (52.4%) of the marriage dissolutions. (Table 82, Figure 41)

## **Divorce Reporting Limitations**

The tabulation of divorce statistics is affected by the completeness of reporting by District Courts in Kansas. Despite efforts to assure 100 percent reporting compliance, it has been determined by the Bureau of Epidemiology and Public Health Informatics that not all divorce and annulment certificates have been filed with the Bureau. The Bureau is unable to estimate the number of records not filed. Users of marriage dissolution data should exercise caution before making any conclusions based on these data. The Bureau is obligated to report on the data it collects, but recommends that any marriage dissolution data be accompanied by a statement that totals may not represent 100 percent of this vital event due to under-reporting.

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# VITAL EVENTS

**Table 1**  
**Selected Vital Events and Percent Change**  
**Kansas, 2010, 2009 and 1991**

Vital Event	2010	2009	Percent Change 2009-2010	1991	Percent Change 1991-2010
Live Births.....	40,439	41,388	-2.3	37,630	7.5
Out-of-Wedlock Births.....	15,241	15,572	-2.1	8,713	74.9
Stillbirths.....	168	213	-21.1	205	-18.0
Hebdomadal Deaths.....	143	144	-0.7	158	-9.5
Perinatal Period III Deaths.....	311	357	-12.9	363	-14.3
Neonatal Deaths.....	170	176	-3.4	191	-11.0
Infant Deaths.....	253	290	-12.8	337	-24.9
Maternal Deaths.....	7	8	-12.5	1	600.0
Deaths.....	24,428	23,997	1.8	22,363	9.2
Marriages.....	18,150	18,268	-0.6	21,786	-16.7
Marriage Dissolutions.....	10,579	10,333	2.4	12,590	-16.0
Abortions.....	4,223	4,780	-11.7	6,070	-30.4

Residence data are presented for abortions

## EVERY DAY DURING 2010\*

Each day Kansas residents experienced approximately...

112 Live births  
 42 Out-of-wedlock live births  
 11 Live births to teenagers  
 8 Low birth weight live births  
 1 Infant death

67 Deaths  
 15 Cancer  
 15 Heart disease  
 4 Cerebrovascular disease  
 4 Chronic lower respiratory disease  
 4 Unintentional Injuries  
 2 Alzheimer's disease  
 2 Diabetes  
 2 Pneumonia and influenza  
 2 Nephritis, nephrotic syndrome, nephrosis  
 1 Suicide

Each day in Kansas there occurred approximately...

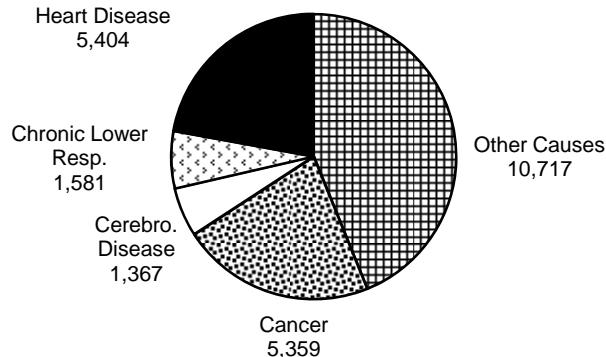
50 Marriages  
 29 Marriage dissolutions  
 23 Abortions

Figure 1

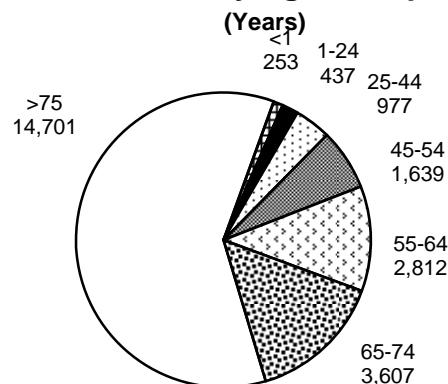
\* Based on 365 Days in 2010

# Kansas Vital Statistics for 2010

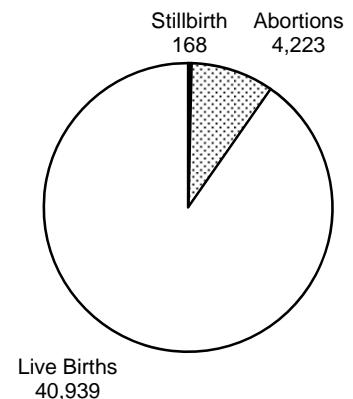
**Deaths**  
**Total 24,428**



**Deaths by Age-Group**



**Pregnancy Outcomes**



**Marriages by Marriage Order**

**Total 18,150**

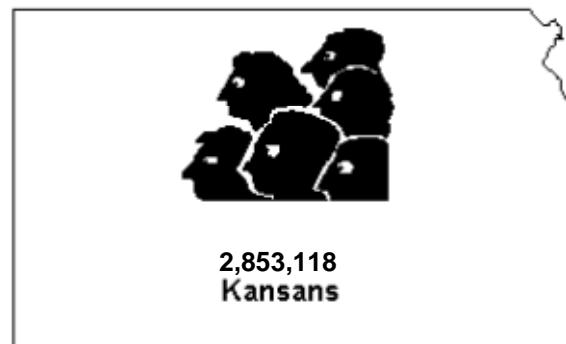
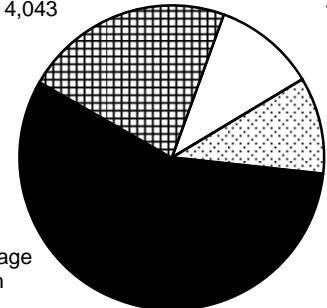
(42 N.S.)

Remarriage for Both 4,043

First for Groom  
Bride Prev.  
Marr. 1,962

First Marriage for Both 10,235

First for Bride  
Groom Prev.  
Marr. 1,868



**Marriage Dissolutions By Duration of Marriage**

**Total 10,579**

(64 N.S.)

<1 Year 400

>5 Years 6,143

1-5 Years 3,972

1-5 Years

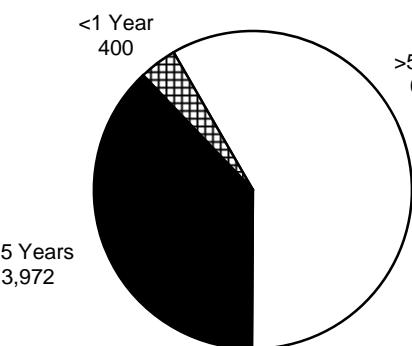


Figure 2

Table 2  
Selected Vital Event Percents, Rates, and Ratios  
Kansas, 1991-2010

Vital Event	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Live Births																				
Number.....	37,630	37,848	37,283	37,269	37,087	36,524	37,191	38,372	38,748	39,654	38,832	39,338	39,353	39,553	39,701	40,896	41,951	41,815	41,388	40,439
Rate*.....	15.1	15.0	14.7	14.6	14.5	14.2	14.3	14.6	14.6	14.7	14.4	14.5	14.4	14.5	14.5	14.8	15.1	14.9	14.7	14.2
Out-of-Wedlock Births																				
Number.....	8,713	9,183	9,599	9,653	9,594	9,798	10,260	10,657	11,068	11,491	11,592	12,129	12,345	12,897	13,492	14,376	15,252	15,754	15,572	15,241
Percent <sup>†</sup> .....	23.2	24.3	25.7	25.9	25.9	26.8	27.6	27.8	28.6	29.0	29.9	30.8	31.4	32.6	34.0	35.2	36.4	37.7	37.6	37.7
Stillbirths																				
Number.....	205	216	222	231	183	179	202	199	175	177	209	146	206	186	194	192	186	182	213	168
Rate <sup>‡</sup> .....	5.4	5.7	5.9	6.2	4.9	4.9	5.4	5.2	4.5	4.4	5.4	3.7	5.2	4.7	4.9	4.7	4.4	4.3	5.1	4.1
Hebdomadal Deaths																				
Number.....	158	165	171	140	134	157	147	132	159	146	148	155	138	144	153	137	163	160	144	143
Rate <sup>§</sup> .....	4.2	4.4	4.6	3.8	3.6	4.3	4.0	3.4	4.1	3.7	3.8	3.9	3.5	3.6	3.9	3.3	3.9	3.8	3.5	3.5
Perinatal Period III Deaths																				
Number.....	363	381	393	371	317	336	349	331	334	323	357	301	344	330	347	329	349	342	357	311
Rate <sup>‡</sup> .....	9.6	10.0	10.5	9.9	8.5	9.2	9.3	8.6	8.6	8.1	9.1	7.6	8.7	8.3	8.7	8.0	8.3	8.1	8.6	7.7
Neonatal Deaths																				
Number.....	191	199	201	177	166	199	173	172	189	174	178	192	177	176	196	176	211	193	176	170
Rate <sup>§</sup> .....	5.1	5.3	5.4	4.7	4.5	5.4	4.7	4.5	4.9	4.4	4.6	4.9	4.5	4.4	4.9	4.3	5.0	4.6	4.3	4.2
Infant Deaths																				
Number.....	337	332	325	285	256	299	274	263	281	266	285	282	262	284	297	293	333	303	290	253
Rate <sup>§</sup> .....	9.0	8.8	8.7	7.6	6.9	8.2	7.4	6.9	7.3	6.7	7.3	7.2	6.7	7.2	7.5	7.2	7.9	7.2	7.0	6.3
Maternal Deaths <sup>¶</sup>																				
Number.....	1	2	3	2	2	2	5	3	4	4	1	2	0	2	6	4	3	7	8	7
Rate <sup>#</sup> .....	2.7	5.3	8.0	5.4	5.4	5.5	13.4	7.8	10.3	10.1	2.6	5.1	0.0	5.1	15.1	9.8	7.2	16.7	19.3	17.3
Deaths																				
Number.....	22,363	22,052	23,508	23,219	23,807	23,788	23,609	23,928	24,380	24,676	24,590	24,968	24,417	23,720	24,632	24,489	24,413	24,896	23,997	24,428
Rate*.....	9.0	8.7	9.3	9.1	9.3	9.2	9.1	9.1	9.2	9.2	9.1	9.2	9.0	8.7	9.0	8.9	8.8	8.9	8.5	8.6
Marriages																				
Number.....	21,786	21,845	21,527	21,524	21,057	20,657	20,537	20,403	20,905	20,426	20,457	19,783	18,722	19,174	18,745	18,836	18,910	18,717	18,268	18,150
Rate*.....	8.7	8.7	8.5	8.4	8.2	8.0	7.9	7.8	7.9	7.6	7.6	7.3	6.9	7.0	6.8	6.8	6.7	6.5	6.4	
Marriage Dissolutions																				
Number.....	12,590	12,365	12,068	11,659	11,029	10,779	10,618	10,363	9,926	10,105	9,885	9,654	8,644	8,759	8,476	9,145	9,347	9,818	10,333	10,579
Rate*.....	5.0	4.9	4.8	4.6	4.3	4.2	4.1	3.9	3.7	3.8	3.7	3.6	3.2	3.2	3.1	3.3	3.4	3.5	3.7	3.7
Abortions																				
Number.....	6,070	6,231	6,394	6,596	6,566	6,806	6,532	6,440	6,416	6,356	6,419	6,298	6,163	5,971	5,629	5,886	5,679	5,512	4,780	4,223
Ratio <sup>§</sup> .....	161.3	164.6	171.5	177.0	177.0	186.3	175.6	167.8	165.6	160.3	165.3	160.1	156.6	151.0	141.8	143.9	135.4	131.8	115.5	104.4

Residence data are presented for abortions

\* Per 1,000 total population

<sup>†</sup> Per 100 live births

<sup>‡</sup> Per 1,000 (live births + still births)

<sup>§</sup> Per 1,000 live births

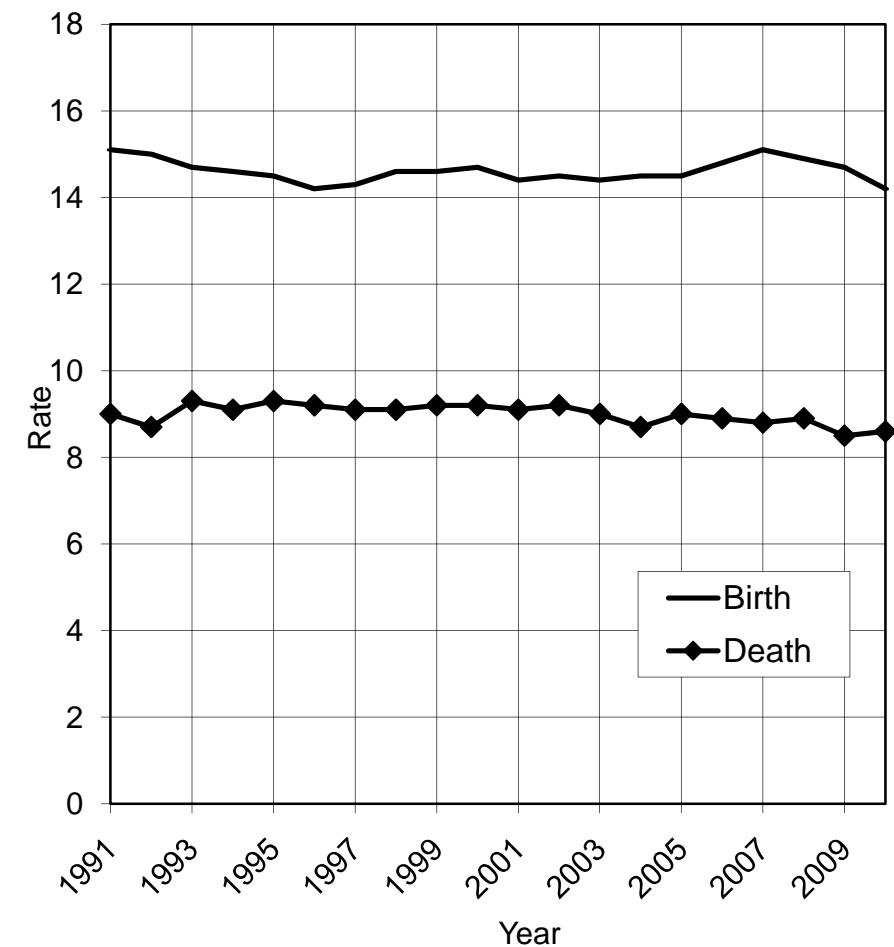
<sup>¶</sup> See Technical Notes for Information on updated definition of Maternal Mortality

<sup>#</sup> Per 100,000 live births

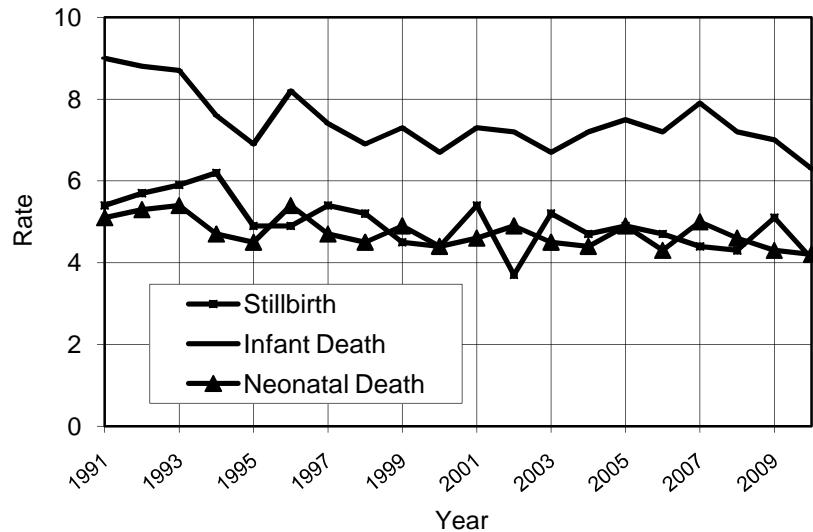
# Selected Vital Event Rates

Kansas, 1991-2010

## Birth and Death Rates Kansas, 1991-2010



## Stillbirth, Infant, and Neonatal Death Rates Kansas, 1991-2010



## Marriage and Marriage Dissolution Rates Kansas, 1991-2010

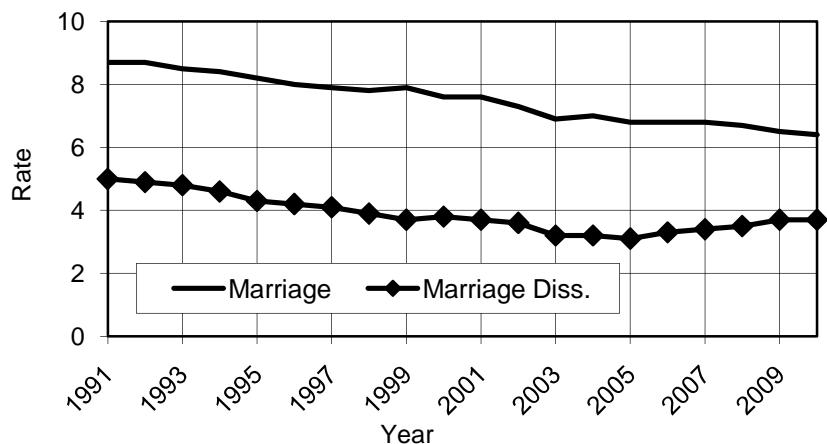


Figure 3

Table 3  
Selected Vital Events by Population Group  
Kansas, 2010

Births and Birth Rates								
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Births	40,439	29,000	2,780	202	1,147	864	6,407	39
Birth Rates <sup>†</sup>	14.2	13.0	17.1	8.8	16.6	12.7	21.4	n/a
Maternal Characteristics								
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Births to mother <18 years of age	1,142	538	143	9	16	44	391	1
Births to mother <20 years of age	3,879	2,197	436	28	44	130	1,043	1
Births to mother with <12 years of education	6,769	2,923	580	49	117	172	2,927	1
Out-of-wedlock births	15,241	9,010	2,000	136	173	400	3,514	8
Fourth and higher birth order	5,264	3,301	495	38	97	98	1,227	8
Birth Outcomes								
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Low birth weight infants (<2500 grams)	2,867	1,898	374	16	102	69	406	2
Very low birth weight infants (<1500 grams)	491	308	74	4	16	12	76	1
Births with gestational age < 37 weeks	3,534	2,497	340	21	107	88	479	2
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Infant deaths <sup>‡</sup>	6.3	4.9	11.9	5.0	4.4	23.1	7.8	n/a
Neonatal deaths <sup>‡</sup>	4.2	3.3	8.3	5.0	3.5	15.0	5.0	n/a
Postneonatal deaths <sup>‡</sup>	2.1	1.6	3.6	0.0	0.9	8.1	2.8	n/a
Stillbirths <sup>§</sup>	5.2	4.7	12.1	9.8	4.3	2.3	5.1	n/a
Perinatal <sup>§</sup>	7.7	6.3	12.9	5.0	5.2	20.7	10.2	n/a
Pregnancy Characteristics								
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Births to women with prenatal care in first trimester	29,552	22,810	1,610	131	856	582	3,540	23
Births to women with late (3rd trimester) or no prenatal care	1,935	965	232	14	61	49	609	5
Plural births	1,214	947	93	2	39	33	100	0
Deaths and Death Rates								
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Deaths	24,428	21,955	1,182	213	132	273	640	33
Death Rates <sup>†</sup>	8.6	9.8	7.3	9.2	1.9	n/a	2.1	n/a
Age-Adjusted death rates <sup>¶</sup>	759.8	754.8	975.4	1364.1	387.4	n/a	559.1	n/a

\* Includes selection of two or more races or other non-specified race

† Rate per 1,000 population

‡ Rate per 1,000 live births

§ Rate per 1,000 live births + Stillbirths

¶ Rate per 100,000 standard U.S. 2000 population

# **POPULATION**

Table 4  
Population by County and by Peer Group\*  
Kansas, 2006-2010

**ERRATA see Page 198**

County of Residence						Percent Change 2006-2010
	2006	2007	2008	2009	2010	
Kansas.....	2,764,075	2,775,997	2,802,134	2,818,747	2,853,118	3.2
Allen (AL).....	13,677	13,414	13,319	13,203	13,371	-2.2
Anderson (AN).....	8,051	7,908	7,984	7,872	8,102	0.6
Atchison (AT).....	16,745	16,571	16,481	16,411	16,924	1.1
Barber (BA).....	4,974	4,786	4,674	4,593	4,861	-2.3
Barton (BT).....	27,511	27,768	27,703	27,464	27,674	0.6
Bourbon (BB).....	14,950	14,803	14,851	14,884	15,173	1.5
Brown (BR).....	10,236	10,068	10,009	9,927	9,984	-2.5
Butler (BU).....	63,147	63,045	63,562	64,084	65,880	4.3
Chase (CS).....	3,070	2,882	2,804	2,798	2,790	-9.1
Chautauqua (CQ).....	3,953	3,806	3,768	3,745	3,669	-7.2
Cherokee (CK).....	21,451	21,337	21,082	21,064	21,603	0.7
Cheyenne (CN).....	2,911	2,801	2,742	2,700	2,726	-6.4
Clark (CA).....	2,206	2,094	2,108	2,081	2,215	0.4
Clay (CY).....	8,625	8,685	8,859	8,704	8,535	-1.0
Cloud (CD).....	9,594	9,382	9,453	9,263	9,533	-0.6
Coffey (CF).....	8,701	8,454	8,409	8,436	8,601	-1.1
Comanche (CM).....	1,884	1,888	1,950	1,873	1,891	0.4
Cowley (CL).....	34,931	34,251	34,065	33,634	36,311	4.0
Crawford (CR).....	38,059	38,860	38,868	38,869	39,134	2.8
Decatur (DC).....	3,120	2,955	2,912	2,855	2,961	-5.1
Dickinson (DK).....	19,322	18,957	19,328	19,015	19,754	2.2
Doniphan (DP).....	7,865	7,756	7,753	7,624	7,945	1.0
Douglas (DG).....	112,123	113,488	114,748	116,383	110,826	-1.2
Edwards (ED).....	3,138	3,106	3,082	3,071	3,037	-3.2
Elk (EK).....	3,077	3,040	3,047	3,001	2,882	-6.3
Ellis (EL).....	26,926	27,464	27,801	27,739	28,452	5.7
Ellsworth (EW).....	6,332	6,310	6,250	6,179	6,497	2.6
Finney (FI).....	39,097	38,295	40,998	42,074	36,776	-5.9
Ford (FO).....	33,783	33,340	33,293	33,692	33,848	0.2
Franklin (FR).....	26,513	26,479	26,562	26,441	25,992	-2.0
Geary (GE).....	24,174	25,150	31,171	31,751	34,362	42.1
Gove (GO).....	2,721	2,637	2,548	2,480	2,695	-1.0
Graham (GH).....	2,677	2,607	2,592	2,435	2,597	-3.0
Grant (GT).....	7,552	7,497	7,395	7,353	7,829	3.7
Gray (GY).....	5,852	5,641	5,688	6,005	6,006	2.6
Greeley (GL).....	1,331	1,297	1,266	1,234	1,247	-6.3
Greenwood (GW).....	7,067	6,993	6,861	6,666	6,689	-5.3
Hamilton (HM).....	2,594	2,632	2,631	2,625	2,690	3.7
Harper (HP).....	5,952	5,819	5,857	5,667	6,034	1.4
Harvey (HV).....	33,643	33,493	33,675	34,247	34,684	3.1
Haskell (HS).....	4,171	4,032	3,919	4,006	4,256	2.0
Hodgeman (HG).....	2,071	1,971	1,948	1,906	1,916	-7.5
Jackson (JA).....	13,500	13,420	13,240	13,412	13,462	-0.3
Jefferson (JF).....	18,848	18,467	18,421	18,207	19,126	1.5
Jewell (JW).....	3,324	3,198	3,142	3,059	3,077	-7.4
Johnson (JO).....	516,731	526,319	534,093	542,737	544,179	5.3
Kearny (KE).....	4,469	4,148	4,159	4,169	3,977	-11.0
Kingman (KM).....	7,975	7,826	7,719	7,571	7,858	-1.5
Kiowa (KW).....	2,969	2,953	2,541	2,322	2,553	-14.0
Labette (LB).....	22,203	21,973	21,871	21,776	21,607	-2.7
Lane (LE).....	1,797	1,746	1,743	1,742	1,750	-2.6
Leavenworth (LV).....	73,628	73,603	74,276	75,227	76,227	3.5
Lincoln (LC).....	3,396	3,285	3,261	3,123	3,241	-4.6
Linn (LN).....	9,962	9,767	9,616	9,335	9,656	-3.1
Logan (LG).....	2,675	2,628	2,593	2,549	2,756	3.0

Table 4  
Population by County and by Peer Group\*  
Kansas, 2006-2010

ERRATA see Page 198

County of Residence						Percent Change 2006-2010
	2006	2007	2008	2009	2010	
Lyon (LY).....	35,369	35,981	35,562	33,601	33,690	-4.7
McPherson (MP).....	29,380	29,196	29,044	28,866	29,180	-0.7
Marion (MN).....	12,760	12,238	12,100	11,982	12,660	-0.8
Marshall (MS).....	10,349	10,186	10,178	10,123	10,117	-2.2
Meade (ME).....	4,561	4,403	4,359	4,407	4,575	0.3
Miami (MI).....	30,900	31,078	30,989	30,969	32,787	6.1
Mitchell (MC).....	6,299	6,307	6,292	6,344	6,373	1.2
Montgomery (MG).....	34,692	34,511	34,395	34,254	35,471	2.2
Morris (MR).....	6,046	5,967	6,037	5,994	5,923	-2.0
Morton (MT).....	3,138	3,038	2,978	3,031	3,233	3.0
Nemaha (NM).....	10,374	10,201	10,112	9,968	10,178	-1.9
Neosho (NO).....	16,298	16,228	16,223	16,046	16,512	1.3
Ness (NS).....	2,946	2,991	2,945	2,835	3,107	5.5
Norton (NT).....	5,584	5,422	5,370	5,330	5,671	1.6
Osage (OS).....	16,958	16,459	16,327	16,104	16,295	-3.9
Osborne (OB).....	3,978	3,871	3,804	3,849	3,858	-3.0
Ottawa (OT).....	6,168	6,006	6,026	5,974	6,091	-1.2
Pawnee (PN).....	6,515	6,415	6,291	6,206	6,973	7.0
Phillips (PL).....	5,444	5,356	5,339	5,272	5,642	3.6
Pottawatomie (PT).....	19,220	19,396	19,695	19,994	21,604	12.4
Pratt (PR).....	9,436	9,426	9,411	9,304	9,656	2.3
Rawlins (RA).....	2,643	2,558	2,503	2,425	2,519	-4.7
Reno (RN).....	63,706	63,145	63,427	63,357	64,511	1.3
Republic (RP).....	5,033	4,901	4,812	4,808	4,980	-1.1
Rice (RC).....	10,295	10,080	10,060	10,079	10,083	-2.1
Riley (RL).....	62,527	69,083	71,069	71,341	71,115	13.7
Rooks (RO).....	5,290	5,160	5,136	4,984	5,181	-2.1
Rush (RH).....	3,317	3,211	3,232	3,143	3,307	-0.3
Russell (RS).....	6,740	6,737	6,641	6,596	6,970	3.4
Saline (SA).....	54,170	54,583	54,657	54,364	55,606	2.7
Scott (SC).....	4,643	4,568	4,577	4,560	4,936	6.3
Sedgwick (SG).....	470,895	476,026	482,863	490,864	498,365	5.8
Seward (SW).....	23,404	23,109	23,016	23,013	22,952	-1.9
Shawnee (SN).....	172,693	173,476	174,709	176,255	177,934	3.0
Sheridan (SD).....	2,600	2,493	2,510	2,435	2,556	-1.7
Sherman (SH).....	5,981	5,959	6,013	5,860	6,010	0.5
Smith (SM).....	4,024	3,951	3,901	3,753	3,853	-4.2
Stafford (SF).....	4,435	4,387	4,326	4,342	4,437	0.0
Stanton (ST).....	2,232	2,162	2,148	2,107	2,235	0.1
Stevens (SV).....	5,287	5,061	5,056	5,129	5,724	8.3
Sumner (SU).....	24,441	23,888	23,616	23,488	24,132	-1.3
Thomas (TH).....	7,468	7,314	7,277	7,343	7,900	5.8
Trego (TR).....	2,993	2,927	2,882	2,920	3,001	0.3
Wabaunsee (WB).....	6,895	6,870	6,922	6,846	7,053	2.3
Wallace (WA).....	1,557	1,456	1,404	1,408	1,485	-4.6
Washington (WS).....	5,944	5,840	5,791	5,683	5,799	-2.4
Wichita (WH).....	2,288	2,200	2,148	2,109	2,234	-2.4
Wilson (WL).....	9,889	9,807	9,698	9,474	9,409	-4.9
Woodson (WO).....	3,507	3,318	3,285	3,240	3,309	-5.6
Wyandotte (WY).....	155,509	153,956	154,287	155,085	157,505	1.3
Peer Group						
Frontier .....	90,681	87,915	86,557	85,038	113,811	25.5
Rural .....	277,905	273,134	271,777	269,582	238,338	-14.2
Densely -Settled Rural .....	427,010	422,672	424,887	424,298	476,391	11.6
Semi-Urban .....	540,528	549,011	558,213	558,505	459,542	-15.0
Urban .....	1,427,951	1,443,265	1,460,700	1,481,324	1,565,036	9.6

Source: U.S. Bureau of the Census

\* See Technical Notes for Peer Group definition. Several counties changed groups as of the 2010 Census.

Table 5  
City Population\*  
Kansas, 2006-2010

City of Residence	Year					Percent Change 2006-2010
	2006	2007	2008	2009	2010	
Abilene.....	6,444	6,305	6,400	6,268	6,844	6.2
Andover.....	9,546	9,898	10,351	10,581	11,791	23.5
Anthony.....	2,249	2,203	2,224	2,147	2,269	0.9
Arkansas City.....	11,416	11,168	11,070	10,977	12,415	8.8
Atchison.....	10,154	10,078	10,402	10,432	11,021	8.5
Augusta.....	8,696	8,683	8,693	8,743	9,274	6.6
Baldwin City.....	4,145	4,202	4,308	4,401	4,515	8.9
Baxter Springs.....	4,221	4,202	4,153	4,144	4,238	0.4
Bel Aire.....	6,653	6,704	6,797	6,873	6,769	1.7
Belleville.....	1,911	1,864	1,832	1,828	1,991	4.2
Beloit.....	3,639	3,645	3,640	3,665	3,835	5.4
Bonner Springs.....	7,093	7,069	7,161	7,248	7,314	3.1
Burlington.....	2,721	2,641	2,679	2,676	2,674	-1.7
Chanute.....	8,887	8,854	8,843	8,738	9,119	2.6
Cherryvale.....	2,271	2,263	2,253	2,244	2,367	4.2
Clay Center.....	4,339	4,365	4,442	4,366	4,334	-0.1
Coffeyville.....	10,387	10,349	10,312	10,244	10,295	-0.9
Colby.....	4,922	4,826	4,803	4,834	5,387	9.4
Columbus.....	3,240	3,222	3,185	3,177	3,312	2.2
Concordia.....	5,281	5,171	5,208	5,109	5,395	2.2
Derby.....	21,101	22,058	22,517	22,923	22,158	5.0
De Soto.....	5,244	5,369	5,420	5,488	5,720	9.1
Dodge City.....	26,101	25,737	25,689	25,955	27,340	4.7
Edwardsville.....	4,510	4,463	4,462	4,528	4,340	-3.8
El Dorado.....	12,718	12,596	12,591	12,643	13,021	2.4
Ellinwood.....	2,006	2,048	2,035	1,977	2,131	6.2
Ellsworth.....	2,885	2,881	2,858	2,817	3,120	8.1
Emporia.....	26,188	26,662	26,380	24,868	24,916	-4.9
Eudora.....	6,027	6,077	6,226	6,260	6,136	1.8
Eureka.....	2,639	2,607	2,559	2,483	2,633	-0.2
Fairway.....	3,833	3,832	3,843	3,891	3,882	1.3
Fort Scott.....	7,976	7,915	7,941	7,938	8,087	1.4
Fredonia.....	2,472	2,424	2,393	2,331	2,482	0.4
Frontenac.....	3,118	3,194	3,192	3,201	3,437	10.2
Galena.....	3,171	3,163	3,126	3,119	3,085	-2.7
Garden City.....	27,175	26,629	28,557	28,532	26,658	-1.9
Gardner.....	15,597	16,462	17,462	17,852	19,123	22.6
Garnett.....	3,280	3,207	3,222	3,163	3,415	4.1
Girard.....	2,660	2,753	2,722	2,710	2,789	4.8
Goodland.....	4,361	4,349	4,388	4,276	4,489	2.9
Great Bend.....	15,537	15,557	15,564	15,652	15,995	2.9
Hays.....	19,726	20,106	20,368	20,360	20,510	4.0
Haysville.....	10,029	10,193	10,364	10,496	10,826	7.9
Herington.....	2,475	2,421	2,451	2,395	2,526	2.1
Hesston.....	3,656	3,701	3,741	3,829	3,709	1.4
Hiawatha.....	3,237	3,188	3,169	3,182	3,172	-2.0
Hillsboro.....	2,715	2,666	2,638	2,613	2,993	10.2
Hoisington.....	2,832	2,889	2,883	2,797	2,706	-4.4
Holton.....	3,359	3,312	3,258	3,289	3,329	-0.9
Hugoton.....	3,560	3,412	3,411	3,455	3,904	9.7
Hutchinson.....	41,085	40,668	40,889	40,795	42,080	2.4
Independence.....	9,317	9,277	9,245	9,198	9,483	1.8
Iola.....	5,966	5,843	5,782	5,719	5,704	-4.4
Junction City.....	16,106	15,576	20,671	20,932	23,353	45.0
Kansas City.....	143,801	142,320	142,562	143,209	145,786	1.4

**Table 5**  
**City Population\***  
**Kansas, 2006-2010**

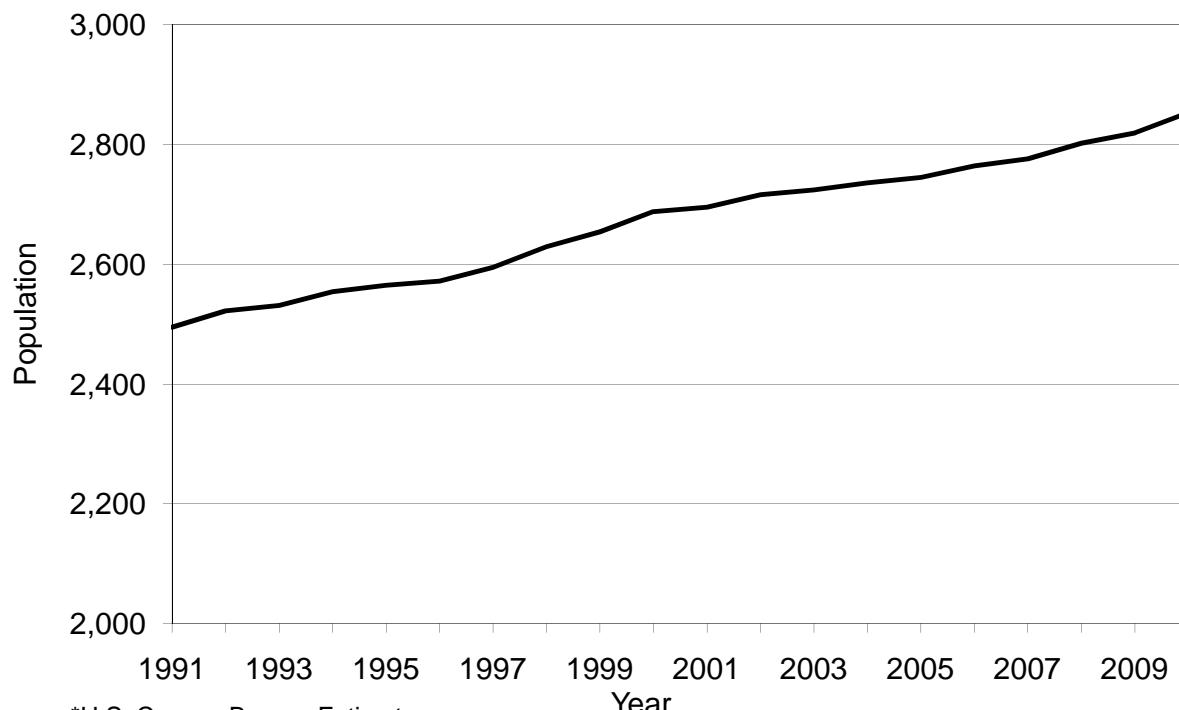
City of Residence	Year					Percent Change 2006-2010
	2006	2007	2008	2009	2010	
Kingman.....	3,110	3,056	2,996	2,931	3,177	2.2
Lansing.....	10,705	10,680	10,691	10,804	11,265	5.2
Larned.....	3,736	3,675	3,599	3,540	4,054	8.5
Lawrence.....	88,605	89,852	90,520	92,048	87,643	-1.1
Leavenworth.....	34,993	34,787	34,729	35,081	35,251	0.7
Leawood.....	30,702	31,012	31,342	31,766	31,867	3.8
Lenexa.....	44,520	45,681	46,822	48,087	48,190	8.2
Liberal.....	20,384	20,128	20,074	20,048	20,525	0.7
Lindsborg.....	3,286	3,262	3,245	3,224	3,458	5.2
Louisburg.....	3,598	3,787	3,940	3,906	4,315	19.9
Lyons.....	3,489	3,471	3,399	3,400	3,739	7.2
McPherson.....	13,594	13,487	13,396	13,323	13,155	-3.2
Manhattan.....	50,737	51,707	52,284	52,836	52,281	3.0
Marysville.....	3,143	3,103	3,126	3,105	3,294	4.8
Medicine Lodge.....	2,036	1,962	1,917	1,883	2,009	-1.3
Merriam.....	10,773	10,790	10,814	11,132	11,003	2.1
Mission.....	9,736	9,743	9,765	9,865	9,323	-4.2
Mission Hills.....	3,526	3,537	3,568	3,622	3,498	-0.8
Mulvane.....	5,755	5,835	5,866	5,915	6,111	6.2
Neodesha.....	2,664	2,650	2,633	2,567	2,486	-6.7
Newton.....	18,093	18,017	18,133	18,437	19,132	5.7
Norton.....	2,760	2,680	2,651	2,657	2,928	6.1
Olathe.....	114,662	118,034	119,993	121,962	125,872	9.8
Osage City.....	2,944	2,846	2,824	2,770	2,943	0.0
Osawatomie.....	4,588	4,533	4,488	4,541	4,447	-3.1
Ottawa.....	12,792	12,828	12,850	12,887	12,649	-1.1
Overland Park.....	166,722	169,403	171,231	174,907	173,372	4.0
Paola.....	5,339	5,368	5,351	5,346	5,602	4.9
Park City.....	7,412	7,588	7,787	8,029	7,297	-1.6
Parsons.....	11,237	11,122	11,065	10,996	10,500	-6.6
Phillipsburg.....	2,410	2,372	2,367	2,349	2,581	7.1
Pittsburg.....	19,120	19,536	19,649	19,639	20,233	5.8
Plainville.....	1,866	1,822	1,821	1,753	1,903	2.0
Prairie Village.....	21,414	21,422	21,479	21,703	21,447	0.2
Pratt.....	6,408	6,406	6,397	6,315	6,835	6.7
Roeland Park.....	6,954	6,951	6,960	7,026	6,731	-3.2
Rose Hill.....	3,949	3,959	4,034	4,091	3,931	-0.5
Russell.....	4,280	4,281	4,217	4,185	4,506	5.3
Sabetha.....	2,519	2,493	2,482	2,450	2,571	2.1
Salina.....	46,140	46,458	46,483	46,180	47,707	3.4
Scott City.....	3,506	3,494	3,502	3,488	3,816	8.8
Shawnee.....	59,252	59,958	60,954	61,712	62,209	5.0
South Hutchinson.....	2,486	2,541	2,547	2,540	2,457	-1.2
Spring Hill.....	4,822	5,065	5,227	5,281	5,437	12.8
Sterling.....	2,549	2,539	2,535	2,536	2,328	-8.7
Tonganoxie.....	4,101	4,156	4,305	4,416	4,996	21.8
Topeka.....	122,113	122,642	123,446	124,331	127,473	4.4
Ulysses.....	5,669	5,630	5,557	5,515	6,161	8.7
Valley Center.....	5,958	6,297	6,521	6,638	6,822	14.5
Wamego.....	4,248	4,274	4,312	4,372	4,372	2.9
Wellington.....	7,991	7,812	7,735	7,677	8,172	2.3
Wichita.....	357,698	361,420	366,046	372,186	382,368	6.9
Winfield.....	11,741	11,539	11,497	11,148	12,301	4.8

\* Includes cities with populations of 2,500 or more as reported by the 2000 U.S. Census,  
plus a few more cities used in birth and death tables in this report.

Source: U.S. Bureau of the Census; 2010 data are actual Census counts, not estimates.

# Total Population

Kansas, 1991-2010\* (in Thousands)

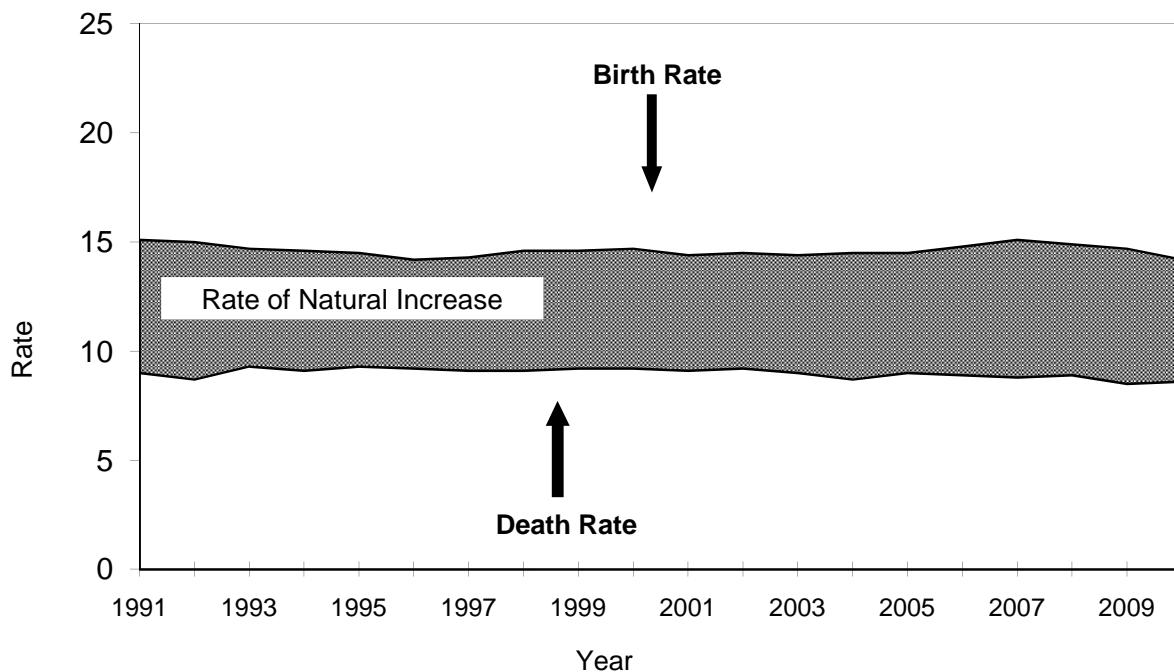


\*U.S. Census Bureau Estimates  
2000, 2010 Actual Counts

Figure 4

# Rate of Natural Increase

Kansas, 1991-2010



Rate per 1,000 Population

Figure 5

## Median Age

Kansas, 1991-2010

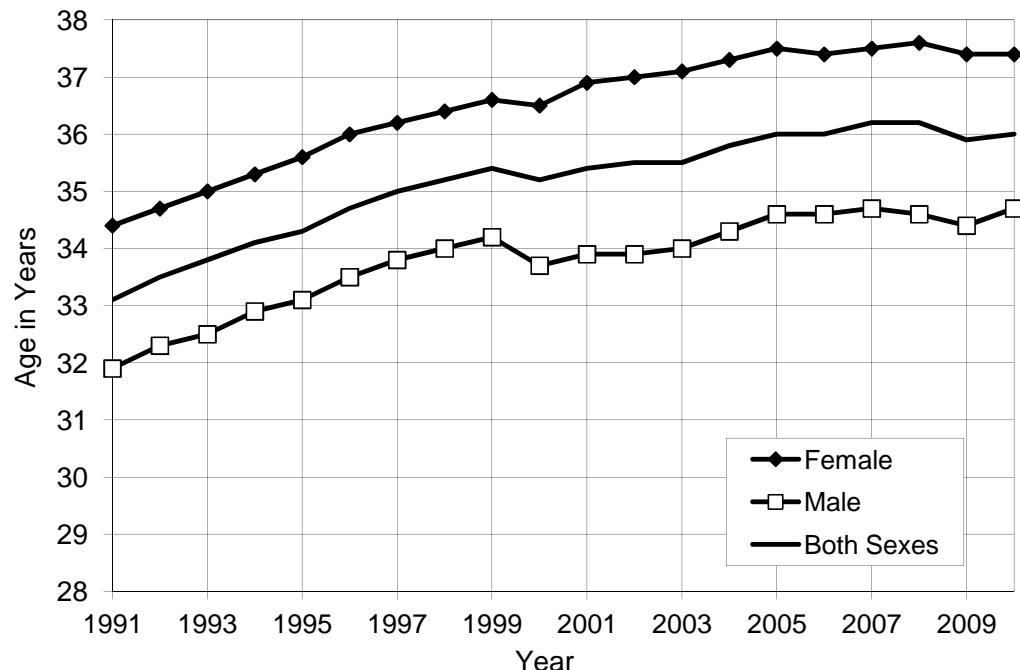


Figure 6

## Percent Change in Age-Group Population

Both Sexes, Kansas, 1991-2010

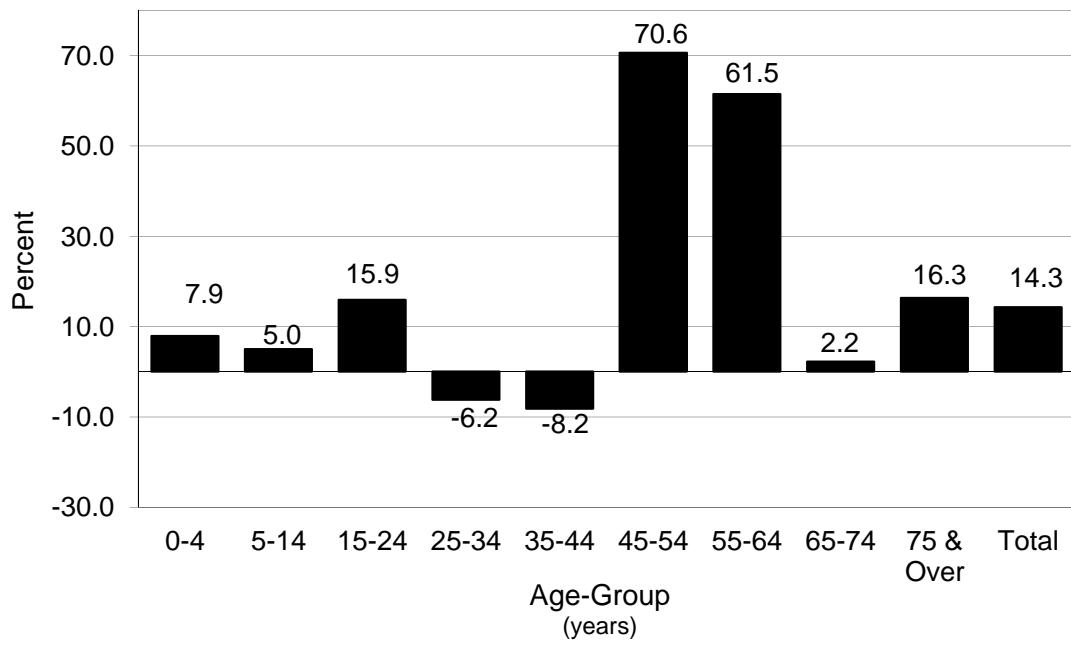


Figure 7

Table 6  
Population by Nine Selected Age-Groups and Sex\*  
Kansas, 1991-2010  
(In Thousands)

Age-Group	Year																				Percent Change 1991-2010
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Both Sexes																					
0-4.....	190	187	186	184	183	180	179	182	184	189	189	188	189	189	188	194	196	203	205	205	7.9
5-14.....	382	387	391	395	394	387	385	389	388	400	401	386	385	376	367	380	379	380	383	401	5.0
15-24.....	352	355	356	359	362	366	376	389	398	400	401	414	417	419	416	415	411	411	424	408	15.9
25-34.....	403	396	385	378	372	364	356	347	340	349	350	352	352	359	364	355	361	368	369	378	-6.2
35-44.....	378	388	393	403	411	417	423	426	427	420	421	404	393	388	382	375	367	360	349	347	-8.2
45-54.....	238	255	265	278	289	302	317	329	343	354	355	378	384	392	399	403	406	408	404	406	70.6
55-64.....	205	204	202	203	203	203	207	213	220	220	221	239	249	260	271	284	296	306	317	331	61.5
65-74.....	186	186	186	187	183	182	179	178	175	176	176	171	170	170	170	171	174	180	183	190	2.2
75 and Over....	160	164	167	167	168	170	173	176	179	180	181	184	184	184	187	186	186	187	184	186	16.3
Total <sup>†</sup> .....	2,495	2,522	2,531	2,554	2,565	2,572	2,595	2,629	2,654	2,688	2,695	2,716	2,724	2,736	2,745	2,764	2,776	2,802	2,819	2,853	14.3
Median Age	33.1	33.5	33.8	34.1	34.3	34.7	35.0	35.2	35.4	35.2	35.4	35.5	35.5	35.8	36.0	36.0	36.2	36.2	35.9	36.0	8.8
Males																					
0-4.....	98	96	95	95	94	93	92	94	94	97	97	97	98	98	98	99	100	103	105	105	7.1
5-14.....	197	199	201	203	203	199	198	200	199	205	206	198	197	193	189	195	195	195	196	206	4.6
15-24.....	182	183	184	185	186	189	194	200	205	207	207	214	216	216	215	215	213	214	221	211	15.9
25-34.....	203	200	194	191	188	183	179	173	170	179	179	181	182	185	188	183	186	190	189	192	-5.4
35-44.....	191	196	199	204	208	211	214	216	216	210	211	202	197	195	192	188	185	182	177	175	-8.4
45-54.....	117	126	131	137	143	149	157	162	169	178	178	189	192	196	199	201	202	203	200	201	71.8
55-64.....	98	98	97	98	97	98	100	103	106	107	107	116	122	128	134	140	146	151	156	164	67.3
65-74.....	83	83	84	84	83	82	81	81	79	80	80	78	78	78	78	79	80	84	85	89	7.2
75 and Over....	56	58	59	59	60	61	63	64	66	66	66	68	69	70	72	70	70	71	70	73	30.4
Total <sup>†</sup> .....	1,225	1,239	1,244	1,256	1,262	1,266	1,278	1,292	1,305	1,328	1,332	1,344	1,350	1,358	1,364	1,371	1,376	1,392	1,400	1,415	15.5
Median Age	31.9	32.3	32.5	32.9	33.1	33.5	33.8	34.0	34.2	33.7	33.9	33.9	34.0	34.3	34.6	34.6	34.7	34.6	34.4	34.7	8.8
Females																					
0-4.....	92	91	90	90	89	88	87	89	90	92	92	91	91	91	90	95	96	99	101	101	9.8
5-14.....	186	188	190	192	192	188	187	189	188	194	195	188	187	183	179	185	185	185	187	196	5.4
15-24.....	170	172	173	174	175	177	182	189	193	193	194	200	201	202	201	200	198	197	203	197	15.9
25-34.....	200	196	191	187	184	181	177	174	170	170	171	171	171	173	176	172	176	178	180	185	-7.5
35-44.....	187	192	194	199	203	206	209	211	211	210	211	202	196	193	190	187	183	179	171	172	-8.0
45-54.....	120	129	134	141	147	153	161	167	174	176	177	188	192	196	200	202	204	205	204	205	70.8
55-64.....	107	106	105	105	105	105	107	111	114	113	113	122	127	133	138	144	150	155	160	168	57.0
65-74.....	103	103	103	103	101	100	98	97	96	96	96	93	92	92	92	94	96	98	101	-1.9	
75 and Over....	105	106	108	108	108	109	110	112	113	115	115	116	115	114	115	116	116	116	115	113	7.6
Total <sup>†</sup> .....	1,270	1,283	1,288	1,298	1,304	1,306	1,317	1,337	1,349	1,360	1,363	1,372	1,373	1,377	1,381	1,393	1,400	1,410	1,419	1,438	13.2
Median Age	34.4	34.7	35.0	35.3	35.6	36.0	36.2	36.4	36.6	36.5	36.9	37.0	37.1	37.3	37.5	37.4	37.6	37.4	37.4	8.7	

\* U.S. Census Bureau estimates for July 1, 1990-1999 and 2002-2009.

U.S. Census Bureau counts for 2000 and 2010 are for April 1.

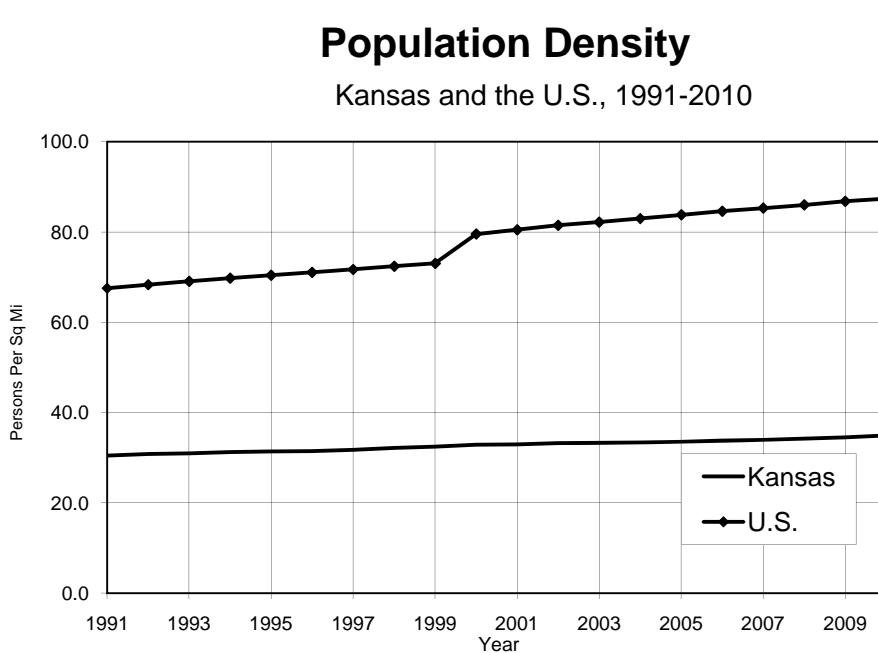
KDHE estimates for 2001 based on 2000 Census.

<sup>†</sup> Estimates may not add to totals due to rounding. See Technical Notes.

Table 7  
Kansas Population 2010  
By Eleven Selected Age-Groups, Population Group and Sex\*

Age-Group	Total	White Non-Hispanic		Black Non-Hispanic		Native American Non-Hispanic		Asian/Pacific Non-Hispanic		Multiple Race Non-Hispanic		Other Non-Hispanic		Hispanic Any Race	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total.....	2,853,118	1,097,741	1,132,798	83,177	79,523	11,403	11,670	33,129	35,816	31,932	32,959	1,541	1,387	156,485	143,557
<1.....	40,786	13,449	12,845	1,330	1,304	119	147	483	462	1,286	1,186	56	46	4,097	3,976
1-4.....	164,706	55,233	52,633	5,394	5,246	602	594	2,146	1,997	4,689	4,672	160	163	15,844	15,333
5-14.....	401,331	142,572	135,005	12,868	12,198	1,760	1,670	4,861	5,020	9,414	9,175	348	333	33,754	32,353
15-24.....	408,275	152,585	145,266	15,453	13,157	2,152	2,052	5,807	5,606	5,817	6,110	331	260	28,667	25,012
25-34.....	377,720	140,634	138,366	12,949	11,214	1,726	1,624	6,159	6,747	3,490	3,763	231	190	27,223	23,404
35-44.....	346,673	132,807	132,622	10,744	9,718	1,569	1,687	5,714	6,171	2,457	2,638	161	159	21,408	18,818
45-54.....	406,264	168,067	172,805	11,742	11,255	1,549	1,790	3,691	4,202	2,269	2,436	122	131	13,799	12,406
55-64.....	331,247	144,176	147,307	7,337	7,609	1,156	1,170	2,494	3,250	1,431	1,539	85	65	7,009	6,619
65-74.....	190,389	80,639	90,600	3,333	4,274	504	586	1,275	1,531	682	835	32	24	2,915	3,159
75-84.....	126,409	49,328	67,495	1,583	2,520	221	254	398	652	303	417	11	9	1,387	1,831
85+.....	59,318	18,251	37,854	444	1,028	45	96	101	178	94	188	4	7	382	646

\*U.S. Census Bureau counts for 2010.



Source: Kansas and U.S. Statistical Abstracts and U.S. Census Bureau

Figure 8

**Table 8**  
**Kansas Population 2010\***  
**By Population Group and County of Residence**  
**Kansas, 2010**

County of Residence	Total	Population Group						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Multiple Race Non-Hispanic	Other Non-Hispanic	Hispanic Any Race
Kansas.....	2,853,118	2,230,539	162,700	23,073	68,945	64,891	2,928	300,042
Allen.....	13,371	12,285	243	99	69	279	4	392
Anderson.....	8,102	7,774	40	38	37	87	3	123
Atchison.....	16,924	15,152	844	86	78	365	16	383
Barber.....	4,861	4,608	20	24	20	57	13	119
Barton.....	27,674	23,092	367	111	61	338	22	3,683
Bourbon.....	15,173	13,953	409	101	74	321	6	309
Brown.....	9,984	8,391	116	869	32	265	5	306
Butler.....	65,880	59,920	1,054	586	483	1,187	48	2,602
Chase.....	2,790	2,597	34	12	8	38	1	100
Chautauqua.....	3,669	3,291	13	148	4	126	0	87
Cherokee.....	21,603	19,280	116	855	129	798	1	424
Cheyenne.....	2,726	2,543	2	6	19	14	0	142
Clark.....	2,215	1,967	0	11	19	53	2	163
Clay.....	8,535	8,184	34	32	28	93	2	162
Cloud.....	9,533	9,035	49	24	21	107	14	283
Coffey.....	8,601	8,176	47	57	34	111	0	176
Comanche.....	1,891	1,783	6	2	6	21	0	73
Cowley.....	36,311	29,832	971	644	591	969	12	3,292
Crawford.....	39,134	34,842	757	331	539	879	24	1,762
Decatur.....	2,961	2,869	17	13	7	25	0	30
Dickinson.....	19,754	18,312	139	82	70	365	17	769
Doniphan.....	7,945	7,282	242	78	16	158	4	165
Douglas.....	110,826	90,532	4,204	2,636	4,171	3,479	153	5,651
Edwards.....	3,037	2,446	5	11	12	28	1	534
Elk.....	2,882	2,694	0	33	13	62	1	79
Ellis.....	28,452	26,103	232	63	394	339	22	1,299
Ellsworth.....	6,497	5,733	299	32	24	83	4	322
Finney.....	36,776	17,049	707	151	1,219	407	61	17,182
Ford.....	33,848	14,897	605	127	507	355	36	17,321
Franklin.....	25,992	23,880	320	180	101	559	15	937
Geary.....	34,362	20,587	6,015	277	1,322	1,841	68	4,252
Gove.....	2,695	2,618	7	2	12	14	0	42
Graham.....	2,597	2,357	96	13	6	65	1	59
Grant.....	7,829	4,240	31	31	26	60	2	3,439
Gray.....	6,006	5,050	22	20	13	43	3	855
Greeley.....	1,247	1,056	3	4	4	8	1	171
Greenwood.....	6,689	6,257	23	61	18	109	1	220
Hamilton.....	2,690	1,801	8	18	10	25	1	827
Harper.....	6,034	5,582	21	59	6	67	1	298
Harvey.....	34,684	29,332	530	181	263	607	24	3,747
Haskell.....	4,256	3,036	4	16	10	40	1	1,149
Hodgeman.....	1,916	1,748	20	3	8	19	0	118
Jackson.....	13,462	11,559	69	974	49	367	6	438
Jefferson.....	19,126	18,170	100	166	44	292	15	339
Jewell.....	3,077	2,959	4	17	6	26	2	63
Johnson.....	544,179	446,044	23,028	1,639	22,857	10,798	864	38,949
Kearny.....	3,977	2,726	16	37	11	52	0	1,135
Kingman.....	7,858	7,486	13	38	38	84	0	199
Kiowa.....	2,553	2,378	12	22	17	25	0	99
Labette.....	21,607	18,467	987	401	81	785	11	875
Lane.....	1,750	1,628	8	9	5	25	1	74
Leavenworth.....	76,227	61,226	7,007	526	1,047	2,041	72	4,308
Lincoln.....	3,241	3,116	8	15	6	23	1	72
Linn.....	9,656	9,184	41	60	36	137	12	186
Logan.....	2,756	2,609	16	12	10	29	0	80

**Table 8**  
**Kansas Population 2010\***  
**By Population Group and County of Residence**  
**Kansas, 2010**

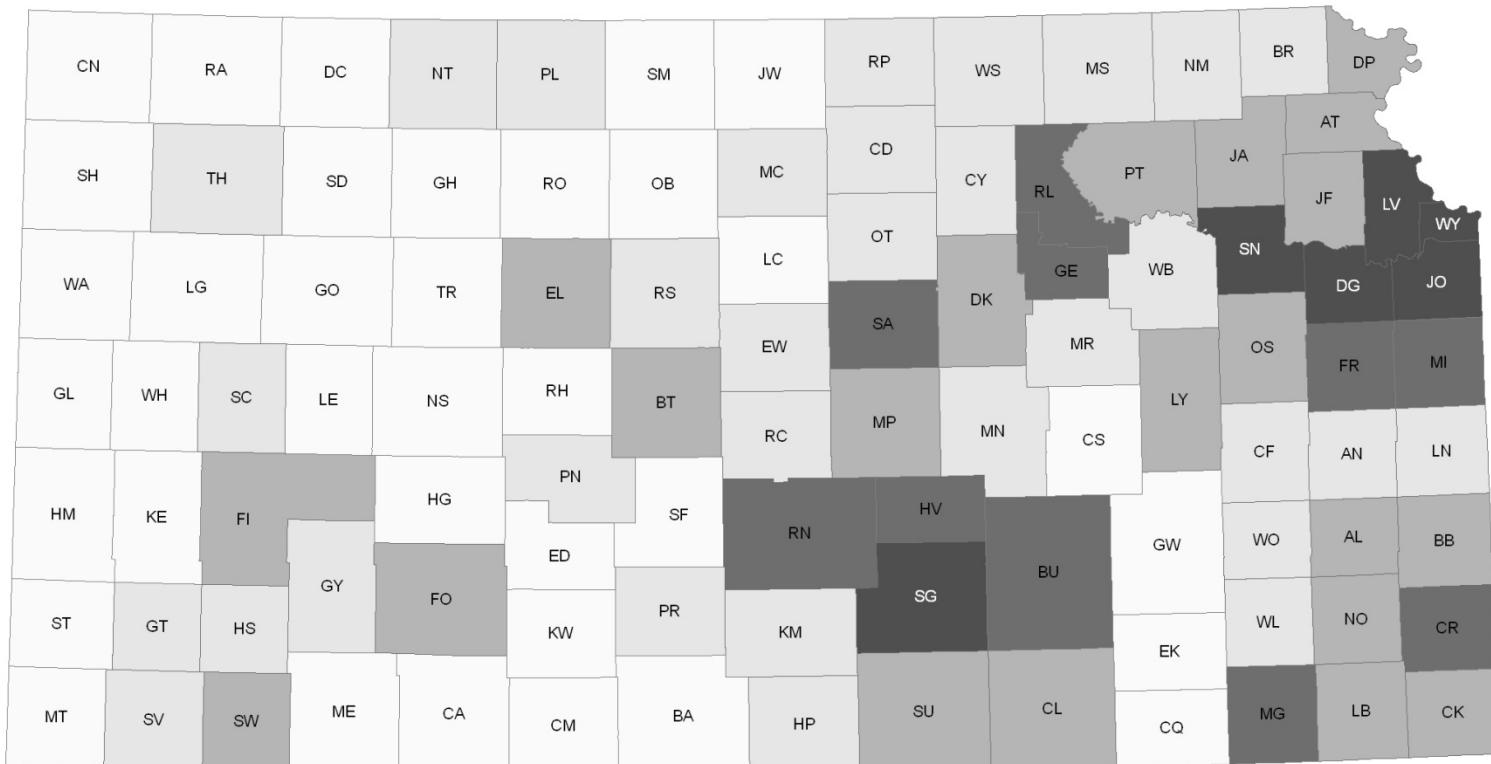
County of Residence	Total	Population Group						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Multiple Race Non-Hispanic	Other Non-Hispanic	Hispanic Any Race
Lyon.....	33,690	24,704	731	144	770	561	25	6,755
McPherson.....	29,180	27,176	279	91	163	429	17	1,025
Marion.....	12,660	11,992	95	63	32	173	9	296
Marshall.....	10,117	9,727	26	26	25	118	2	193
Meade.....	4,575	3,761	31	31	18	51	7	676
Miami.....	32,787	30,708	411	169	122	527	22	828
Mitchell.....	6,373	6,197	13	23	24	42	1	73
Montgomery.....	35,471	28,712	2,022	1,099	234	1,526	34	1,844
Morris.....	5,923	5,572	25	26	15	73	0	212
Morton.....	3,233	2,466	14	26	61	43	0	623
Nemaha.....	10,178	9,843	51	42	19	98	4	121
Neosho.....	16,512	15,136	192	147	85	262	4	686
Ness.....	3,107	2,828	17	3	3	25	2	229
Norton.....	5,671	5,166	162	12	31	60	0	240
Osage.....	16,295	15,560	44	108	39	212	2	330
Osborne.....	3,858	3,743	8	12	17	32	0	46
Ottawa.....	6,091	5,828	49	20	9	63	1	121
Pawnee.....	6,973	6,018	318	36	34	103	3	461
Phillips.....	5,642	5,394	22	16	41	48	0	121
Pottawatomie.....	21,604	19,690	214	130	154	442	17	957
Pratt.....	9,656	8,812	100	38	27	147	7	525
Rawlins.....	2,519	2,400	8	3	5	19	4	80
Reno.....	64,511	55,543	1,843	374	314	1,193	35	5,209
Republic.....	4,980	4,851	22	12	15	26	1	53
Rice.....	10,083	8,683	112	55	42	171	2	1,018
Riley.....	71,115	56,571	4,344	364	3,089	2,022	115	4,610
Rooks.....	5,181	4,981	21	9	22	40	1	107
Rush.....	3,307	3,165	8	16	6	26	2	84
Russell.....	6,970	6,640	53	42	34	83	3	115
Saline.....	55,606	45,671	1,743	241	1,159	1,347	42	5,403
Scott.....	4,936	4,097	16	26	21	22	1	753
Sedgwick.....	498,365	348,434	44,931	4,456	20,545	14,783	580	64,636
Seward.....	22,952	8,261	687	70	625	305	14	12,990
Shawnee.....	177,934	134,549	14,598	1,747	2,167	5,398	172	19,303
Sheridan.....	2,556	2,436	3	6	5	22	0	84
Sherman.....	6,010	5,214	34	14	22	79	0	647
Smith.....	3,853	3,712	10	11	10	52	1	57
Stafford.....	4,437	3,805	10	30	17	46	0	529
Stanton.....	2,235	1,351	12	21	2	21	0	828
Stevens.....	5,724	3,744	14	37	15	44	4	1,866
Sumner.....	24,132	22,044	211	255	54	459	12	1,097
Thomas.....	7,900	7,336	47	24	44	67	12	370
Trego.....	3,001	2,902	13	6	9	17	3	51
Wabaunsee.....	7,053	6,664	28	33	10	111	2	205
Wallace.....	1,485	1,354	2	7	1	12	1	108
Washington.....	5,799	5,558	23	8	19	47	0	144
Wichita.....	2,234	1,647	14	5	3	15	0	550
Wilson.....	9,409	8,866	30	77	41	172	6	217
Woodson.....	3,309	3,139	12	26	2	60	1	69
Wyandotte.....	157,505	68,170	39,046	793	4,033	3,647	183	41,633

\*U.S. Census Bureau counts, 2010 census.

# **Population Density By County of Residence**

Kansas, 2010

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## Inhabitants Per Square Mile

## Legend

State Rate: 34.9

 Under 6.0  6.0 - 19.9  20.0 - 39.9  40.0 - 149.9  150.0 and over

Figure 9

# PREGNANCY OUTCOMES

Table 9  
 Live Births by Number and Rate\*  
 By County of Residence and by Peer Group†  
 Kansas, 2006-2010

ERRATA see Page 198

County of Residence	Year										5-Year Rate	
	2006		2007		2008		2009		2010			
	Number	Rate										
Kansas.....	40,896	14.8	41,951	15.1	41,815	14.9	41,388	14.7	40,439	14.2	14.7	
Allen.....	193	14.1	185	13.8	183	13.7	166	12.6	137	10.2	12.9	
Anderson.....	97	12.0	120	15.2	112	14.0	105	13.3	106	13.1	13.5	
Atchison.....	226	13.5	218	13.2	204	12.4	224	13.6	225	13.3	13.2	
Barber.....	63	12.7	51	10.7	69	14.8	61	13.3	74	15.2	13.3	
Barton.....	384	14.0	408	14.7	383	13.8	366	13.3	355	12.8	13.7	
Bourbon.....	227	15.2	250	16.9	239	16.1	216	14.5	220	14.5	15.4	
Brown.....	141	13.8	146	14.5	155	15.5	145	14.6	127	12.7	14.2	
Butler.....	766	12.1	835	13.2	840	13.2	799	12.5	805	12.2	12.7	
Chase.....	33	10.7	25	8.7	29	10.3	24	8.6	23	8.2	9.3	
Chautauqua.....	40	10.1	38	10.0	45	11.9	37	9.9	25	6.8	9.8	
Cherokee.....	270	12.6	257	12.0	295	14.0	257	12.2	237	11.0	12.4	
Cheyenne.....	17	5.8	20	7.1	22	8.0	35	13.0	25	9.2	8.6	
Clark.....	21	9.5	28	13.4	26	12.3	23	11.1	27	12.2	11.7	
Clay.....	130	15.1	108	12.4	100	11.3	113	13.0	107	12.5	12.9	
Cloud.....	123	12.8	121	12.9	127	13.4	136	14.7	130	13.6	13.5	
Coffey.....	90	10.3	90	10.6	99	11.8	74	8.8	106	12.3	10.8	
Comanche.....	13	6.9	14	7.4	15	7.7	27	14.4	20	10.6	9.4	
Cowley.....	456	13.1	457	13.3	505	14.8	489	14.5	487	13.4	13.8	
Crawford.....	517	13.6	567	14.6	529	13.6	563	14.5	478	12.2	13.7	
Decatur.....	19	6.1	28	9.5	16	5.5	26	9.1	26	8.8	7.8	
Dickinson.....	225	11.6	265	14.0	221	11.4	240	12.6	284	14.4	12.8	
Doniphan.....	90	11.4	96	12.4	84	10.8	72	9.4	99	12.5	11.3	
Douglas.....	1,257	11.2	1,308	11.5	1,273	11.1	1,232	10.6	1,263	11.4	11.2	
Edwards.....	51	16.3	44	14.2	34	11.0	40	13.0	40	13.2	13.5	
Elk.....	35	11.4	30	9.9	25	8.2	40	13.3	35	12.1	11.0	
Ellis.....	345	12.8	385	14.0	385	13.8	406	14.6	375	13.2	13.7	
Ellsworth.....	54	8.5	62	9.8	50	8.0	75	12.1	56	8.6	9.4	
Finney.....	761	19.5	736	19.2	791	19.3	776	18.4	765	20.8	19.4	
Ford.....	651	19.3	654	19.6	724	21.7	698	20.7	677	20.0	20.3	
Franklin.....	383	14.4	358	13.5	333	12.5	352	13.3	337	13.0	13.4	
Geary.....	629	26.0	775	30.8	803	25.8	890	28.0	1,051	30.6	28.3	
Gove.....	27	9.9	38	14.4	30	11.8	36	14.5	29	10.8	12.2	
Graham.....	21	7.8	31	11.9	24	9.3	22	9.0	31	11.9	10.0	
Grant.....	151	20.0	131	17.5	145	19.6	147	20.0	128	16.3	18.7	
Gray.....	101	17.3	94	16.7	96	16.9	95	15.8	94	15.7	16.4	
Greeley.....	11	8.3	13	10.0	14	11.1	23	18.6	12	9.6	11.5	
Greenwood.....	75	10.6	84	12.0	86	12.5	66	9.9	58	8.7	10.8	
Hamilton.....	43	16.6	42	16.0	43	16.3	56	21.3	57	21.2	18.3	
Harper.....	84	14.1	73	12.5	74	12.6	84	14.8	72	11.9	13.2	
Harvey.....	451	13.4	461	13.8	466	13.8	458	13.4	463	13.3	13.5	
Haskell.....	68	16.3	57	14.1	77	19.6	83	20.7	61	14.3	17.0	
Hodgeman.....	14	6.8	20	10.1	23	11.8	21	11.0	22	11.5	10.2	
Jackson.....	182	13.5	163	12.1	175	13.2	169	12.6	165	12.3	12.7	
Jefferson.....	219	11.6	221	12.0	196	10.6	204	11.2	199	10.4	11.2	
Jewell.....	26	7.8	32	10.0	26	8.3	29	9.5	25	8.1	8.7	
Johnson.....	7,722	14.9	7,904	15.0	7,843	14.7	7,565	13.9	7,390	13.6	14.4	
Kearny.....	67	15.0	56	13.5	59	14.2	58	13.9	65	16.3	14.6	
Kingman.....	83	10.4	94	12.0	91	11.8	96	12.7	79	10.1	11.4	
Kiowa.....	32	10.8	22	7.5	23	9.1	29	12.5	28	11.0	10.0	
Labette.....	302	13.6	330	15.0	294	13.4	297	13.6	277	12.8	13.7	
Lane.....	22	12.2	18	10.3	19	10.9	22	12.6	16	9.1	11.1	
Leavenworth.....	974	13.2	940	12.8	961	12.9	963	12.8	946	12.4	12.8	
Lincoln.....	41	12.1	39	11.9	39	12.0	38	12.2	35	10.8	11.8	
Linn.....	103	10.3	128	13.1	114	11.9	101	10.8	92	9.5	11.1	
Logan.....	32	12.0	29	11.0	20	7.7	23	9.0	36	13.1	10.6	

Table 9  
Live Births by Number and Rate\*  
By County of Residence and by Peer Group†  
Kansas, 2006-2010

ERRATA see Page 198

County of Residence	Year										5-Year Rate	
	2006		2007		2008		2009		2010			
	Number	Rate										
Lyon.....	538	15.2	556	15.5	494	13.9	474	14.1	426	12.6	14.3	
McPherson.....	369	12.6	322	11.0	381	13.1	364	12.6	300	10.3	11.9	
Marion.....	118	9.2	109	8.9	123	10.2	109	9.1	126	10.0	9.5	
Marshall.....	119	11.5	134	13.2	131	12.9	110	10.9	111	11.0	11.9	
Meade.....	50	11.0	58	13.2	66	15.1	55	12.5	52	11.4	12.6	
Miami.....	398	12.9	387	12.5	392	12.6	411	13.3	384	11.7	12.6	
Mitchell.....	61	9.7	57	9.0	69	11.0	85	13.4	66	10.4	10.7	
Montgomery.....	487	14.0	518	15.0	504	14.7	485	14.2	426	12.0	14.0	
Morris.....	48	7.9	67	11.2	58	9.6	58	9.7	54	9.1	9.5	
Morton.....	52	16.6	55	18.1	43	14.4	51	16.8	34	10.5	15.2	
Nemaha.....	126	12.1	128	12.5	122	12.1	138	13.8	131	12.9	12.7	
Neosho.....	228	14.0	226	13.9	217	13.4	203	12.7	226	13.7	13.5	
Ness.....	31	10.5	26	8.7	35	11.9	19	6.7	39	12.6	10.1	
Norton.....	50	9.0	46	8.5	41	7.6	56	10.5	47	8.3	8.8	
Osage.....	189	11.1	185	11.2	203	12.4	177	11.0	185	11.4	11.4	
Osborne.....	31	7.8	42	10.8	43	11.3	33	8.6	47	12.2	10.1	
Ottawa.....	68	11.0	80	13.3	58	9.6	61	10.2	80	13.1	11.5	
Pawnee.....	59	9.1	76	11.8	71	11.3	82	13.2	77	11.0	11.3	
Phillips.....	56	10.3	57	10.6	58	10.9	53	10.1	57	10.1	10.4	
Pottawatomie.....	334	17.4	356	18.4	340	17.3	350	17.5	382	17.7	17.6	
Pratt.....	130	13.8	115	12.2	142	15.1	122	13.1	113	11.7	13.2	
Rawlins.....	24	9.1	22	8.6	22	8.8	27	11.1	23	9.1	9.3	
Reno.....	876	13.8	843	13.4	851	13.4	847	13.4	762	11.8	13.1	
Republic.....	51	10.1	42	8.6	53	11.0	56	11.6	35	7.0	9.7	
Rice.....	117	11.4	131	13.0	116	11.5	116	11.5	129	12.8	12.0	
Riley.....	1,066	17.0	1,060	15.3	1,061	14.9	1,064	14.9	1,118	15.7	15.6	
Rooks.....	62	11.7	75	14.5	52	10.1	74	14.8	66	12.7	12.8	
Rush.....	29	8.7	42	13.1	31	9.6	27	8.6	30	9.1	9.8	
Russell.....	66	9.8	92	13.7	84	12.6	81	12.3	93	13.3	12.4	
Saline.....	796	14.7	808	14.8	846	15.5	861	15.8	805	14.5	15.1	
Scott.....	73	15.7	74	16.2	71	15.5	87	19.1	43	8.7	14.9	
Sedgwick.....	7,927	16.8	8,244	17.3	8,262	17.1	8,293	16.9	8,058	16.2	16.9	
Seward.....	514	22.0	539	23.3	561	24.4	571	24.8	468	20.4	23.0	
Shawnee.....	2,565	14.9	2,616	15.1	2,566	14.7	2,460	14.0	2,496	14.0	14.5	
Sheridan.....	35	13.5	22	8.8	32	12.7	29	11.9	20	7.8	11.0	
Sherman.....	79	13.2	87	14.6	86	14.3	63	10.8	83	13.8	13.3	
Smith.....	29	7.2	33	8.4	35	9.0	38	10.1	31	8.0	8.5	
Stafford.....	45	10.1	58	13.2	49	11.3	49	11.3	41	9.2	11.0	
Stanton.....	27	12.1	40	18.5	43	20.0	32	15.2	30	13.4	15.8	
Stevens.....	87	16.5	109	21.5	86	17.0	85	16.6	83	14.5	17.1	
Sumner.....	298	12.2	291	12.2	333	14.1	283	12.0	312	12.9	12.7	
Thomas.....	108	14.5	102	13.9	108	14.8	108	14.7	115	14.6	14.5	
Trego.....	27	9.0	34	11.6	30	10.4	31	10.6	27	9.0	10.1	
Wabaunsee.....	79	11.5	97	14.1	83	12.0	89	13.0	77	10.9	12.3	
Wallace.....	16	10.3	9	6.2	14	10.0	11	7.8	12	8.1	8.5	
Washington.....	52	8.7	77	13.2	57	9.8	69	12.1	57	9.8	10.7	
Wichita.....	44	19.2	34	15.5	25	11.6	30	14.2	35	15.7	15.3	
Wilson.....	143	14.5	144	14.7	136	14.0	116	12.2	128	13.6	13.8	
Woodson.....	40	11.4	33	9.9	27	8.2	44	13.6	43	13.0	11.2	
Wyandotte.....	2,921	18.8	2,894	18.8	2,850	18.5	2,859	18.4	2,754	17.5	18.4	
Peer Group												
Frontier .....	983	10.8	997	11.3	975	11.3	1,016	11.9	1,279	11.2	11.3	
Rural .....	3,359	12.1	3,499	12.8	3,427	12.6	3,437	12.7	2,823	11.8	12.4	
Densely -Settled Rural ..	6,281	14.7	6,381	15.1	6,539	15.4	6,359	15.0	6,801	14.3	14.9	
Semi-Urban .....	7,881	14.6	8,108	14.8	8,080	14.5	8,167	14.6	6,629	14.4	14.6	
Urban .....	22,392	15.7	22,966	15.9	22,794	15.6	22,409	15.1	22,907	14.6	15.4	

\* Rate per 1,000 population

† See Technical Notes for Peer Group definition.

Table 10  
Live Births by Number and Rate\*  
By Selected City of Residence  
Kansas, 2006-2010

City of Residence	Year										5-Year Rate	
	2006		2007		2008		2009		2010			
	Number	Rate										
Abilene.....	87	13.5	94	14.9	90	14.1	108	17.2	99	14.5	14.8	
Andover.....	152	15.9	143	14.4	174	16.8	189	17.9	173	14.7	15.9	
Anthony.....	25	11.1	24	10.9	30	13.5	34	15.8	28	12.3	12.7	
Arkansas City.....	206	18.0	190	17.0	235	21.2	248	22.6	240	19.3	19.6	
Atchison.....	159	15.7	164	16.3	153	14.7	196	18.8	162	14.7	16.0	
Augusta.....	152	17.5	130	15.0	130	15.0	134	15.3	138	14.9	15.5	
Baldwin City.....	47	11.3	48	11.4	55	12.8	40	9.1	52	11.5	11.2	
Baxter Springs.....	73	17.3	57	13.6	80	19.3	68	16.4	56	13.2	15.9	
Bel Aire.....	54	8.1	40	6.0	74	10.9	62	9.0	56	8.3	8.5	
Belleville.....	25	13.1	18	9.7	28	15.3	29	15.9	20	10.0	12.7	
Beloit.....	36	9.9	35	9.6	43	11.8	58	15.8	41	10.7	11.6	
Bonner Springs.....	88	12.4	91	12.9	93	13.0	111	15.3	98	13.4	13.4	
Burlington.....	36	13.2	32	12.1	31	11.6	28	10.5	40	15.0	12.5	
Chanute.....	154	17.3	142	16.0	143	16.2	129	14.8	148	16.2	16.1	
Cherryvale.....	23	10.1	47	20.8	28	12.4	39	17.4	48	20.3	16.2	
Clay Center.....	66	15.2	57	13.1	66	14.9	69	15.8	60	13.8	14.6	
Coffeyville.....	175	16.8	164	15.8	165	16.0	182	17.8	138	13.4	16.0	
Colby.....	81	16.5	68	14.1	76	15.8	77	15.9	86	16.0	15.7	
Columbus.....	33	10.2	61	18.9	52	16.3	67	21.1	40	12.1	15.7	
Concordia.....	70	13.3	74	14.3	74	14.2	86	16.8	82	15.2	14.8	
Derby.....	313	14.8	273	12.4	298	13.2	314	13.7	360	16.2	14.1	
De Soto.....	69	13.2	73	13.6	53	9.8	75	13.7	52	9.1	11.8	
Dodge City.....	587	22.5	590	22.9	655	25.5	643	24.8	608	22.2	23.6	
Edwardsville.....	51	11.3	56	12.5	56	12.6	44	9.7	52	12.0	11.6	
El Dorado.....	188	14.8	188	14.9	222	17.6	192	15.2	189	14.5	15.4	
Ellinwood.....	27	13.5	24	11.7	23	11.3	29	14.7	19	8.9	12.0	
Ellsworth.....	28	9.7	33	11.5	24	8.4	41	14.6	28	9.0	10.6	
Emporia.....	452	17.3	465	17.4	423	16.0	391	15.7	357	14.3	16.2	
Eudora.....	115	19.1	130	21.4	124	19.9	110	17.6	112	18.3	19.2	
Eureka.....	38	14.4	36	13.8	47	18.4	29	11.7	30	11.4	13.9	
Fairway.....	58	15.1	45	11.7	46	12.0	51	13.1	69	17.8	14.0	
Fort Scott.....	153	19.2	140	17.7	142	17.9	185	23.3	140	17.3	19.1	
Fredonia.....	35	14.2	46	19.0	41	17.1	50	21.5	34	13.7	17.0	
Frontenac.....	36	11.5	32	10.0	31	9.7	38	11.9	38	11.1	10.8	
Galena.....	54	17.0	38	12.0	52	16.6	71	22.8	44	14.3	16.5	
Garden City.....	616	22.7	613	23.0	657	23.0	667	23.4	648	24.3	23.3	
Gardner.....	376	24.1	409	24.8	490	28.1	452	25.3	419	21.9	24.8	
Garnett.....	41	12.5	49	15.3	43	13.3	61	19.3	56	16.4	15.3	
Girard.....	35	13.2	34	12.4	38	14.0	35	12.9	25	9.0	12.2	
Goodland.....	66	15.1	67	15.4	76	17.3	53	12.4	71	15.8	15.2	
Great Bend.....	269	17.3	281	18.1	272	17.5	246	15.7	230	14.4	16.6	
Hays.....	263	13.3	291	14.5	286	14.0	333	16.4	289	14.1	14.5	
Haysville.....	150	15.0	143	14.0	144	13.9	203	19.3	157	14.5	15.4	
Herington.....	28	11.3	50	20.7	36	14.7	36	15.0	49	19.4	16.2	
Hesston.....	26	7.1	38	10.3	47	12.6	43	11.2	27	7.3	9.7	
Hiawatha.....	46	14.2	50	15.7	56	17.7	53	16.7	48	15.1	15.9	
Hillsboro.....	35	12.9	34	12.8	35	13.3	29	11.1	34	11.4	12.3	
Hoisington.....	39	13.8	41	14.2	39	13.5	38	13.6	46	17.0	14.4	
Holton.....	56	16.7	54	16.3	53	16.3	57	17.3	56	16.8	16.7	
Hugoton.....	65	18.3	77	22.6	65	19.1	70	20.3	66	16.9	19.3	
Hutchinson.....	620	15.1	608	15.0	626	15.3	675	16.5	517	12.3	14.8	
Independence.....	178	19.1	193	20.8	200	21.6	205	22.3	149	15.7	19.9	
Iola.....	97	16.3	108	18.5	100	17.3	99	17.3	78	13.7	16.6	
Junction City.....	423	26.3	528	33.9	586	28.3	643	30.7	728	31.2	30.1	
Kansas City.....	2,736	19.0	2,725	19.1	2,680	18.8	2,697	18.8	2,608	17.9	18.7	

Table 10  
Live Births by Number and Rate\*  
By Selected City of Residence  
Kansas, 2006-2010

City of Residence	Year										5-Year Rate	
	2006		2007		2008		2009		2010			
	Number	Rate										
Kingman.....	45	14.5	43	14.1	46	15.4	53	18.1	36	11.3	14.6	
Lansing.....	109	10.2	105	9.8	95	8.9	93	8.6	99	8.8	9.3	
Larned.....	47	12.6	58	15.8	51	14.2	64	18.1	59	14.6	15.0	
Lawrence.....	1,007	11.4	1,036	11.5	1,007	11.1	1,027	11.2	1,023	11.7	11.4	
Leavenworth.....	439	12.5	416	12.0	448	12.9	466	13.3	397	11.3	12.4	
Leawood.....	278	9.1	292	9.4	257	8.2	287	9.0	244	7.7	8.7	
Lenexa.....	630	14.2	701	15.3	671	14.3	643	13.4	644	13.4	14.1	
Liberal.....	480	23.5	501	24.9	520	25.9	556	27.7	434	21.1	24.6	
Lindsborg.....	37	11.3	23	7.1	25	7.7	42	13.0	26	7.5	9.3	
Louisburg.....	84	23.3	74	19.5	67	17.0	100	25.6	58	13.4	19.6	
Lyons.....	56	16.1	57	16.4	56	16.5	60	17.6	58	15.5	16.4	
McPherson.....	204	15.0	183	13.6	223	16.6	205	15.4	164	12.5	14.6	
Manhattan .....	635	12.5	701	13.6	692	13.2	718	13.6	749	14.3	13.5	
Marysville.....	32	10.2	46	14.8	49	15.7	40	12.9	36	10.9	12.9	
Medicine Lodge.....	30	14.7	28	14.3	35	18.3	27	14.3	39	19.4	16.2	
Merriam.....	179	16.6	168	15.6	158	14.6	166	14.9	154	14.0	15.1	
Mission.....	154	15.8	151	15.5	146	15.0	143	14.5	174	18.7	15.9	
Mission Hills.....	25	7.1	22	6.2	22	6.2	25	6.9	18	5.1	6.3	
Mulvane .....	86	14.9	83	14.2	99	16.9	103	17.4	83	13.6	15.4	
Neodesha.....	42	15.8	39	14.7	45	17.1	50	19.5	43	17.3	16.8	
Newton.....	296	16.4	281	15.6	290	16.0	295	16.0	318	16.6	16.1	
Norton.....	33	12.0	35	13.1	22	8.3	43	16.2	34	11.6	12.2	
Olathe.....	2,180	19.0	2,296	19.5	2,088	17.4	2,147	17.6	1,993	15.8	17.8	
Osage City.....	46	15.6	31	10.9	44	15.6	40	14.4	30	10.2	13.3	
Osawatomie.....	78	17.0	61	13.5	77	17.2	70	15.4	71	16.0	15.8	
Ottawa.....	239	18.7	203	15.8	190	14.8	235	18.2	201	15.9	16.7	
Overland Park.....	2,177	13.1	2,175	12.8	2,265	13.2	2,130	12.2	2,101	12.1	12.7	
Paola.....	90	16.9	83	15.5	105	19.6	93	17.4	101	18.0	17.5	
Park City.....	65	8.8	81	10.7	85	10.9	105	13.1	102	14.0	11.5	
Parsons.....	180	16.0	189	17.0	183	16.5	173	15.7	158	15.0	16.1	
Phillipsburg.....	27	11.2	30	12.6	36	15.2	34	14.5	29	11.2	12.9	
Pittsburg.....	322	16.8	354	18.1	329	16.7	355	18.1	296	14.6	16.9	
Plainville.....	24	12.9	41	22.5	27	14.8	24	13.7	28	14.7	15.7	
Prairie Village.....	239	11.2	274	12.8	317	14.8	264	12.2	305	14.2	13.0	
Pratt.....	103	16.1	79	12.3	111	17.4	101	16.0	85	12.4	14.8	
Roeland Park.....	117	16.8	108	15.5	115	16.5	102	14.5	104	15.5	15.8	
Rose Hill.....	38	9.6	50	12.6	44	10.9	55	13.4	58	14.8	12.3	
Russell.....	46	10.7	57	13.3	61	14.5	57	13.6	62	13.8	13.2	
Sabetha.....	34	13.5	37	14.8	31	12.5	34	13.9	42	16.3	14.2	
Salina.....	725	15.7	743	16.0	782	16.8	787	17.0	751	15.7	16.3	
Scott City.....	62	17.7	67	19.2	56	16.0	66	18.9	39	10.2	16.3	
Shawnee.....	970	16.4	930	15.5	967	15.9	899	14.6	830	13.3	15.1	
South Hutchinson.....	27	10.9	29	11.4	25	9.8	31	12.2	26	10.6	11.0	
Spring Hill.....	110	22.8	102	20.1	107	20.5	105	19.9	108	19.9	20.6	
Sterling.....	22	8.6	25	9.8	25	9.9	19	7.5	27	11.6	9.4	
Tonganoxie.....	97	23.7	112	26.9	80	18.6	97	22.0	87	17.4	21.5	
Topeka.....	2,062	16.9	2,186	17.8	2,158	17.5	2,309	18.6	2,101	16.5	17.4	
Ulysses.....	117	20.6	116	20.6	123	22.1	134	24.3	105	17.0	20.9	
Valley Center.....	96	16.1	83	13.2	95	14.6	112	16.9	95	13.9	14.9	
Wamego.....	67	15.8	80	18.7	72	16.7	87	19.9	75	17.2	17.7	
Wellington.....	129	16.1	119	15.2	139	18.0	144	18.8	136	16.6	16.9	
Wichita.....	6,653	18.6	6,865	19.0	6,897	18.8	6,933	18.6	6,678	17.5	18.5	
Winfield.....	152	12.9	166	14.4	158	13.7	187	16.8	151	12.3	14.0	

\*Rate per 1,000 population

Table 11  
Birth Rates\*  
Kansas<sup>†</sup> and the U.S., 1912-2010

Year	Birth Rates		Year	Birth Rates	
	Kansas	U.S.		Kansas	U.S.
1912 .....	22.8	29.8	1964 .....	19.9	21.1
1913 .....	21.0	29.5	1965 .....	17.8	19.4
1914 .....	21.2	29.9	1966 .....	16.3	18.4
1915 .....	22.2	29.5	1967 .....	15.6	17.8
1916 .....	24.0	29.1	1968 .....	15.7	17.6
1917 .....	22.2	28.5	1969 .....	16.3	17.9
1918 .....	22.1	28.2	1970 .....	17.0	18.4
1919 .....	20.4	26.1	1971 .....	16.0	17.2
1920 .....	22.7	27.7	1972 .....	14.6	15.6
1921 .....	23.7	28.1	1973 .....	13.9	14.8
1922 .....	21.9	26.2	1974 .....	14.2	14.8
1923 .....	21.8	26.0	1975 .....	14.6	14.6
1924 .....	20.9	26.1	1976 .....	15.2	14.6
1925 .....	20.8	25.1	1977 .....	15.7	15.1
1926 .....	19.6	24.2	1978 .....	15.5	15.0
1927 .....	19.2	23.5	1979 .....	16.5	15.6
1928 .....	18.4	22.2	1980 .....	17.2	15.9
1929 .....	17.7	21.2	1981 .....	17.3	15.8
1930 .....	18.4	21.3	1982 .....	16.9	15.9
1931 .....	18.2	20.2	1983 .....	16.6	15.6
1932 .....	17.5	19.5	1984 .....	16.4	15.6
1933 .....	17.0	18.4	1985 .....	16.1	15.8
1934 .....	17.8	19.0	1986 .....	15.9	15.6
1935 .....	16.5	18.7	1987 .....	15.5	15.7
1936 .....	16.3	18.4	1988 .....	15.5	16.0
1937 .....	16.0	18.7	1989 .....	15.4	16.4
1938 .....	16.4	19.2	1990 .....	15.7	16.7
1939 .....	16.2	18.8	1991 .....	15.1	16.3
1940 .....	16.2	19.4	1992 .....	15.0	15.9
1941 .....	17.3	20.3	1993 .....	14.7	15.5
1942 .....	19.4	22.2	1994 .....	14.6	15.2
1943 .....	20.0	22.7	1995 .....	14.5	14.8
1944 .....	19.4	21.2	1996 .....	14.2	14.7
1945 .....	17.5	20.4	1997 .....	14.3	14.5
1946 .....	21.7	24.1	1998 .....	14.6	14.6
1947 .....	24.3	26.6	1999 .....	14.6	14.5
1948 .....	22.7	24.9	2000 .....	14.7	14.7
1949 .....	22.9	24.5	2001 .....	14.4	14.1
1950 .....	23.1	24.1	2002 .....	14.5	13.9
1951 .....	24.4	24.9	2003 .....	14.4	14.1
1952 .....	25.2	25.1	2004 .....	14.5	14.0
1953 .....	26.4	25.1	2005 .....	14.5	14.0
1954 .....	26.8	25.3	2006 .....	14.8	14.2
1955 .....	25.8	25.0	2007 .....	15.1	14.3
1956 .....	25.5	25.2	2008 .....	14.9	13.9
1957 .....	25.5	25.3	2009 .....	14.7	13.5 <sup>‡</sup>
1958 .....	24.6	24.5	2010 .....	14.2	12.9 <sup>‡</sup>
1959 .....	24.8	24.2			
1960 .....	23.8	23.7			
1961 .....	23.3	23.3			
1962 .....	22.5	22.4			
1963 .....	21.2	21.7			

\*Rate per 1,000 population

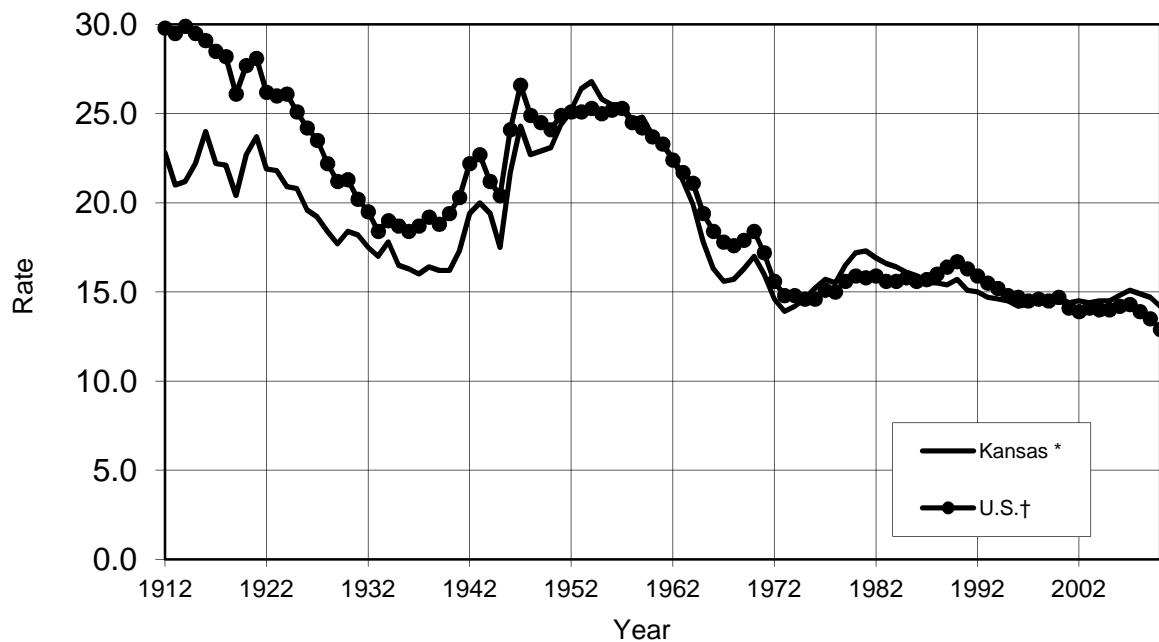
<sup>†</sup>1912-1934 Occurrence data

1935-2010 Residence data

<sup>‡</sup>Provisional

## Birth Rates

Kansas and the U.S., 1912-2010



\*1912-1934 Occurrence data

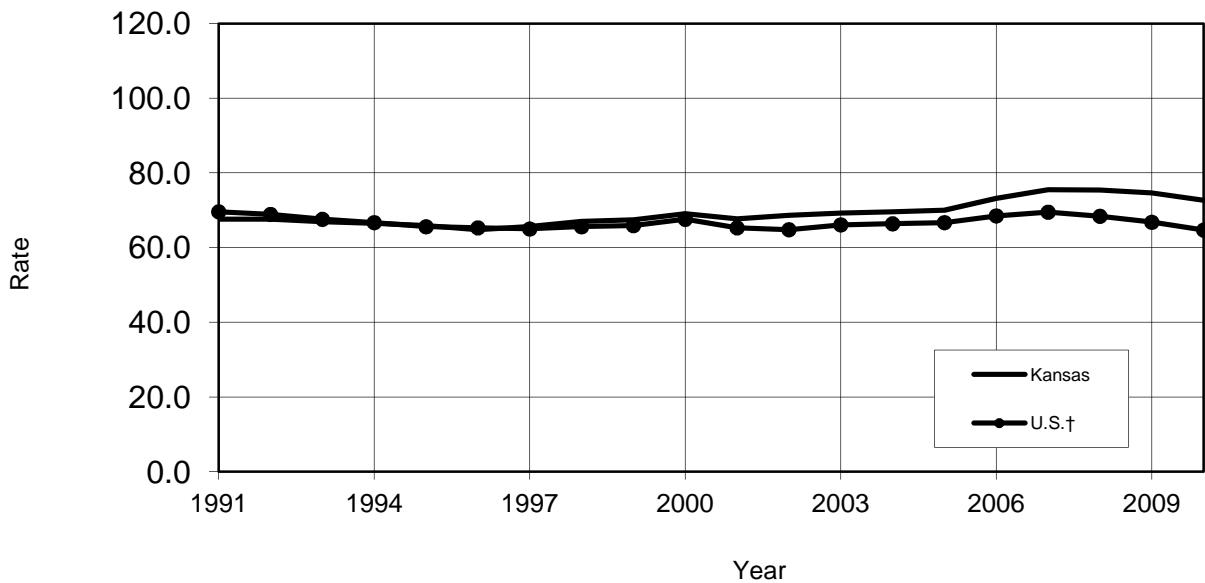
1935-2010 Residence data

†2009-2010 Rates Provisional

Figure 10

## Fertility Rates\*

Kansas and the U.S., 1991-2010



\*Rate per 1,000 Female

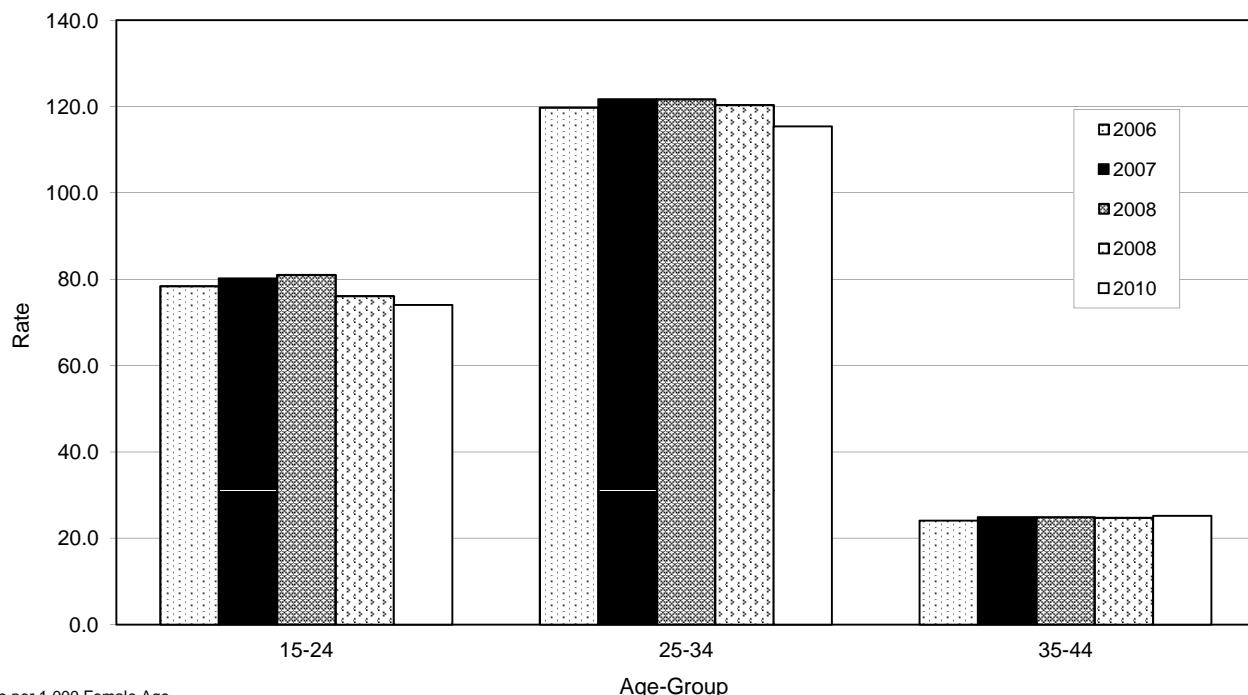
Population 15-44

†2009-2010 Rates Provisional

Figure 11

## Age-Specific Fertility Rates\*

Kansas, 2006-2010



\*Rate per 1,000 Female Age-Group Population  
Residence Data

Figure 12

Table 12  
Age-Specific Fertility Rates\*  
By Age-Group of Mother  
Kansas, 1991-2010

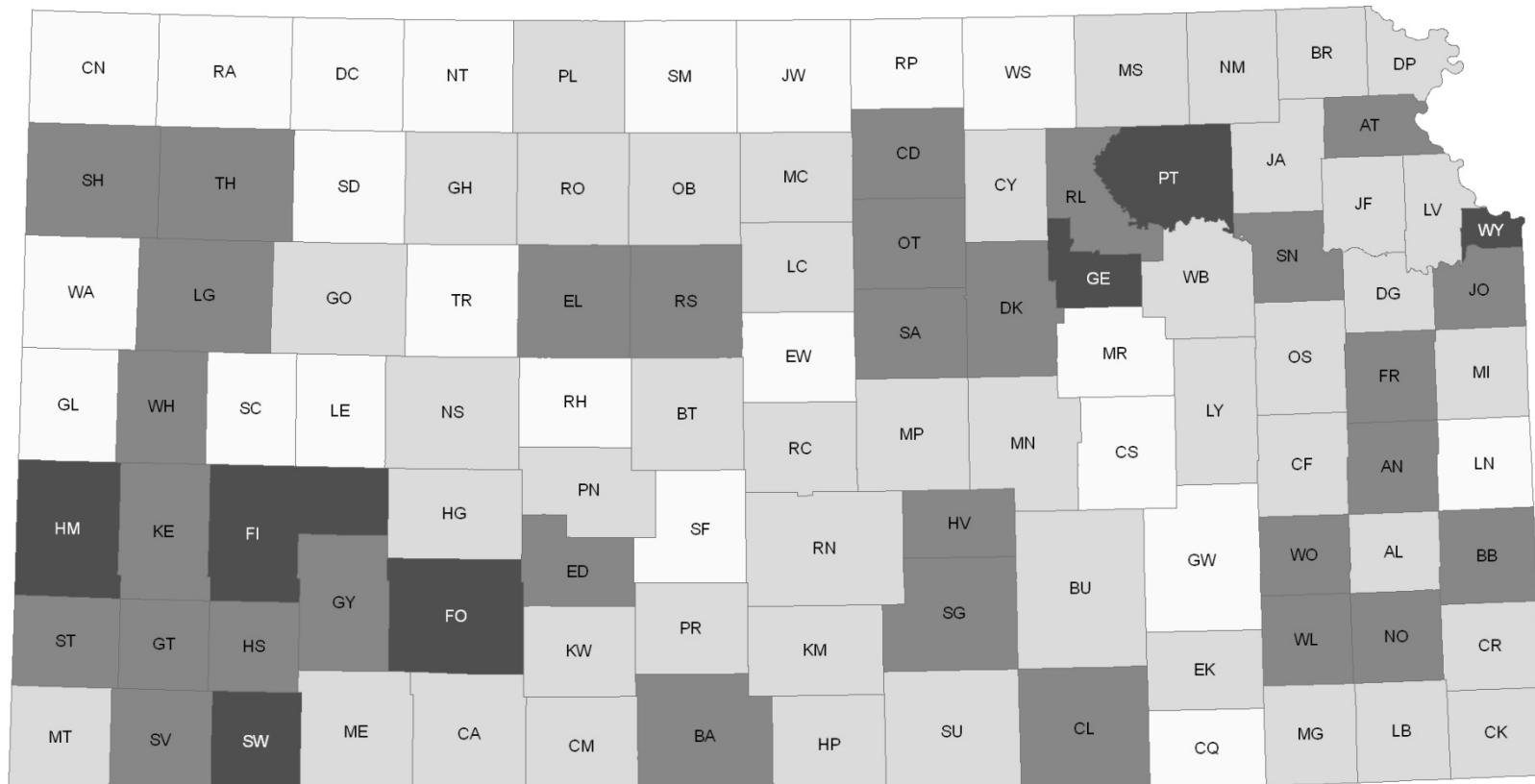
Age-Group	Year																				Percent Change 1991-2010
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Total.....	67.6	67.6	66.9	66.5	65.9	64.8	65.6	67.0	67.4	69.1	67.7	68.6	69.2	69.6	70.0	73.2	75.5	75.4	74.6	72.7	7.5
15-24.....	89.0	88.9	87.8	85.3	83.8	80.1	80.6	79.5	80.0	82.5	79.1	77.2	75.2	74.9	76.6	78.4	80.2	81.0	76.1	74.0	-16.9
25-34.....	96.8	98.2	97.5	99.8	100.8	101.3	103.8	108.8	111.2	113.3	111.9	114.2	115.5	115.2	112.5	119.8	121.7	121.7	120.4	115.4	19.2
35-44.....	16.4	16.8	17.4	18.5	18.5	18.9	19.3	20.4	20.4	20.8	20.2	21.1	22.3	22.8	23.2	24.1	24.9	24.9	24.7	25.2	53.7

\*Rate per 1,000 female age-group population

# Birth Rates By County of Residence

Kansas, 2010

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Live Births Per 1,000 Population

Legend

State Rate: 14.2

Under 10.0    10.0 - 12.9    13.0 - 16.9    17.0 and over

Figure 13

**Table 13**  
**Live Births by Age-Group of Mother by Sex of Infant**  
**Kansas, 2010**

Age-Group of Mother	Total*		Sex	
	Number	Percent	Male	Female
Total.....	40,439	100	20,652	19,787
Under 15.....	36	0.1	21	15
15-17.....	1,106	2.7	579	527
18-19.....	2,737	6.8	1,401	1,336
20-24.....	10,778	26.7	5,559	5,219
25-29.....	12,529	31.0	6,422	6,107
30-34.....	8,857	21.9	4,445	4,412
35-39.....	3,580	8.9	1,799	1,781
40-44.....	754	1.9	402	352
45 & Over....	55	0.1	20	35
N.S.....	7	n/a	4	3

**Table 14**  
**Live Births by Age-Group of Father by Age-Group of Mother**  
**Kansas, 2010**

Age-Group of Father	Total	Age-Group of Mother					
		Under 18	10-14	20-24	30-34	40-44	45 & N.S.
Total.....	40,439	1,142	36	10,778	8,857	754	7
Under 18....	327	231	13	10	0	0	0
10-14.....	3	3	1	0	0	0	0
15-19.....	1,439	545	19	284	3	0	0
20-24.....	6,599	182	1	4,307	118	1	0
25-29.....	10,767	21	0	3,245	1,075	16	0
30-34.....	9,577	3	0	867	4,361	56	0
35-39.....	4,866	2	0	232	2,097	165	0
40-44.....	1,880	0	0	71	514	270	1
45 & Over...	834	0	0	37	217	192	0
N.S.....	4,474	386	15	1,735	472	54	6

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Table 15  
Live Births by Age-Group of Mother  
By County of Residence  
Kansas, 2010

County of Residence	Age-Group of Mother									N.S.
	Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	
Kansas.....	40,439	36	3,843	10,778	12,529	8,857	3,580	754	55	7
Allen.....	137	0	23	43	47	15	8	1	0	0
Anderson.....	106	0	14	26	28	24	13	0	1	0
Atchison.....	225	0	27	64	75	37	20	2	0	0
Barber.....	74	1	6	31	19	13	4	0	0	0
Barton.....	355	0	45	127	91	68	18	6	0	0
Bourbon.....	220	0	27	81	61	33	13	4	1	0
Brown.....	127	1	15	34	41	26	9	1	0	0
Butler.....	805	0	73	238	246	163	69	14	2	0
Chase.....	23	0	3	4	11	4	1	0	0	0
Chautauqua.....	25	0	0	7	14	3	1	0	0	0
Cherokee.....	237	1	39	86	66	28	14	3	0	0
Cheyenne.....	25	0	0	8	9	7	1	0	0	0
Clark.....	27	0	1	4	9	10	3	0	0	0
Clay.....	107	2	11	35	31	18	9	1	0	0
Cloud.....	130	0	19	46	33	16	13	3	0	0
Coffey.....	106	0	6	32	39	20	8	1	0	0
Comanche.....	20	0	2	9	8	0	1	0	0	0
Cowley.....	487	2	73	169	139	69	30	5	0	0
Crawford.....	478	0	47	159	173	70	26	3	0	0
Decatur.....	26	0	1	10	8	4	2	1	0	0
Dickinson.....	284	0	23	94	90	61	11	4	0	1
Doniphan.....	99	0	7	28	44	16	4	0	0	0
Douglas.....	1,263	0	70	246	422	363	127	33	2	0
Edwards.....	40	1	4	9	13	7	5	0	1	0
Elk.....	35	0	2	13	10	3	7	0	0	0
Ellis.....	375	1	38	100	124	75	30	6	1	0
Ellsworth.....	56	0	2	17	16	14	5	2	0	0
Finney.....	765	1	114	218	228	122	62	20	0	0
Ford.....	677	1	88	229	159	115	69	14	1	1
Franklin.....	337	1	35	103	115	48	29	6	0	0
Geary.....	1,051	0	81	422	348	139	51	9	0	1
Gove.....	29	0	0	7	13	6	3	0	0	0
Graham.....	31	0	4	8	9	9	1	0	0	0
Grant.....	128	0	23	35	34	21	11	3	1	0
Gray.....	94	0	2	21	43	22	6	0	0	0
Greeley.....	12	0	0	7	4	1	0	0	0	0
Greenwood.....	58	0	10	20	12	13	3	0	0	0
Hamilton.....	57	0	7	23	12	8	7	0	0	0
Harper.....	72	0	7	23	24	16	2	0	0	0
Harvey.....	463	0	47	114	159	102	35	4	2	0
Haskell.....	61	0	8	12	18	17	3	3	0	0
Hodgeman.....	22	0	1	6	10	3	2	0	0	0
Jackson.....	165	0	19	36	57	40	7	6	0	0
Jefferson.....	199	0	9	66	61	39	23	1	0	0
Jewell.....	25	0	1	9	7	7	0	1	0	0
Johnson.....	7,390	1	265	984	2,369	2,501	1,035	214	19	2
Kearny.....	65	1	8	23	21	6	6	0	0	0
Kingman.....	79	0	8	29	26	8	7	1	0	0
Kiowa.....	28	0	0	11	10	6	0	1	0	0
Labette.....	277	0	57	108	58	37	17	0	0	0
Lane.....	16	0	0	5	6	3	1	1	0	0
Leavenworth.....	946	1	63	263	258	224	119	18	0	0
Lincoln.....	35	0	2	8	13	9	1	2	0	0
Linn.....	92	0	11	31	24	20	5	1	0	0
Logan.....	36	0	1	8	13	9	5	0	0	0

Table 15  
Live Births by Age-Group of Mother  
By County of Residence  
Kansas, 2010

County of Residence	Age-Group of Mother									N.S.
	Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	
Lyon.....	426	1	57	146	120	69	28	3	1	1
McPherson.....	300	1	22	78	107	64	21	7	0	0
Marion.....	126	0	11	35	42	26	8	4	0	0
Marshall.....	111	0	8	27	48	19	7	2	0	0
Meade.....	52	0	5	14	20	9	3	1	0	0
Miami.....	384	1	30	82	134	94	33	8	2	0
Mitchell.....	66	0	3	15	34	7	5	2	0	0
Montgomery.....	426	0	64	157	115	59	23	6	2	0
Morris.....	54	0	8	19	14	9	4	0	0	0
Morton.....	34	0	7	10	8	6	2	1	0	0
Nemaha.....	131	0	5	24	51	33	14	4	0	0
Neosho.....	226	0	32	72	68	38	13	3	0	0
Ness.....	39	0	4	12	16	5	2	0	0	0
Norton.....	47	0	2	16	12	14	3	0	0	0
Osage.....	185	0	17	54	56	32	21	5	0	0
Osborne.....	47	0	5	12	15	10	4	1	0	0
Ottawa.....	80	0	7	24	26	14	5	4	0	0
Pawnee.....	77	0	6	33	17	14	7	0	0	0
Phillips.....	57	0	3	26	14	11	3	0	0	0
Pottawatomie.....	382	0	15	81	129	105	35	16	1	0
Pratt.....	113	0	9	39	36	20	7	2	0	0
Rawlins.....	23	0	2	4	9	6	1	1	0	0
Reno.....	762	0	87	234	241	136	51	12	0	1
Republic.....	35	0	4	9	15	6	0	1	0	0
Rice.....	129	0	11	48	40	25	5	0	0	0
Riley.....	1,118	1	57	383	379	219	68	8	3	0
Rooks.....	66	0	5	30	17	12	2	0	0	0
Rush.....	30	0	4	4	12	7	3	0	0	0
Russell.....	93	0	10	21	34	23	5	0	0	0
Saline.....	805	0	104	249	238	139	56	19	0	0
Scott.....	43	0	5	13	11	8	5	1	0	0
Sedgwick.....	8,058	4	904	2,262	2,487	1,612	651	128	10	0
Seward.....	468	1	70	144	132	81	37	2	1	0
Shawnee.....	2,496	4	273	689	781	489	216	43	1	0
Sheridan.....	20	0	0	5	8	7	0	0	0	0
Sherman.....	83	0	14	30	17	14	8	0	0	0
Smith.....	31	0	2	4	10	13	2	0	0	0
Stafford.....	41	0	9	12	10	7	3	0	0	0
Stanton.....	30	0	5	8	12	4	0	1	0	0
Stevens.....	83	0	11	31	24	10	6	1	0	0
Sumner.....	312	0	39	105	86	51	21	10	0	0
Thomas.....	115	0	8	43	31	22	7	4	0	0
Trego.....	27	0	2	6	8	10	1	0	0	0
Wabaunsee.....	77	0	1	18	30	18	6	4	0	0
Wallace.....	12	0	1	3	4	4	0	0	0	0
Washington.....	57	0	1	13	22	13	7	1	0	0
Wichita.....	35	0	4	7	16	7	1	0	0	0
Wilson.....	128	1	19	41	40	18	8	1	0	0
Woodson.....	43	0	7	20	9	6	0	0	1	0
Wyandotte.....	2,754	7	415	817	746	514	200	53	2	0
N.S.	0	0	0	0	0	0	0	0	0	0

Table 16  
Live Births by Weeks Gestation  
By County of Residence  
Kansas, 2010

County of Residence	Total	Weeks Gestation									Percent Premature <37 weeks
		19 & Under	20-22	23-27	28-31	32-35	36	37-41	42 & Over	N.S.	
Kansas.....	40,439	13	40	183	330	1,580	1,388	36,661	186	58	8.8
Allen.....	137	0	0	1	0	2	4	130	0	0	5.1
Anderson.....	106	0	0	0	2	5	3	95	1	0	9.4
Atchison.....	225	0	0	0	1	11	10	203	0	0	9.8
Barber.....	74	0	0	0	1	5	1	67	0	0	9.5
Barton.....	355	0	1	1	1	14	15	321	1	1	9.0
Bourbon.....	220	0	0	0	7	11	18	181	0	3	16.6
Brown.....	127	0	0	0	1	6	5	115	0	0	9.4
Butler.....	805	0	0	5	4	29	27	737	3	0	8.1
Chase.....	23	0	0	0	1	0	0	21	1	0	4.3
Chautauqua.....	25	0	0	0	0	0	1	24	0	0	4.0
Cherokee.....	237	0	0	2	2	7	10	216	0	0	8.9
Cheyenne.....	25	0	0	0	0	3	4	18	0	0	28.0
Clark.....	27	0	0	0	0	2	2	23	0	0	14.8
Clay.....	107	0	0	0	4	3	6	93	1	0	12.1
Cloud.....	130	0	0	0	0	3	3	123	1	0	4.6
Coffey.....	106	0	0	1	2	1	3	99	0	0	6.6
Comanche.....	20	0	0	0	0	0	0	20	0	0	0.0
Cowley.....	487	0	2	2	2	19	21	438	3	0	9.4
Crawford.....	478	0	0	1	4	13	21	437	0	2	8.2
Decatur.....	26	0	0	2	0	0	2	22	0	0	15.4
Dickinson.....	284	1	0	1	1	10	11	259	0	1	8.5
Doniphan.....	99	0	0	0	2	2	7	88	0	0	11.1
Douglas.....	1,263	0	1	0	6	38	61	1,149	8	0	8.4
Edwards.....	40	0	0	0	1	2	1	36	0	0	10.0
Elk.....	35	0	0	0	0	3	0	32	0	0	8.6
Ellis.....	375	0	0	0	2	17	16	337	3	0	9.3
Ellsworth.....	56	0	0	0	0	1	1	53	1	0	3.6
Finney.....	765	0	0	6	3	34	30	679	13	0	9.5
Ford.....	677	0	0	7	0	11	19	637	1	2	5.5
Franklin.....	337	0	0	2	3	14	17	300	1	0	10.7
Geary.....	1,051	0	1	4	3	49	42	949	3	0	9.4
Gove.....	29	0	0	0	0	1	2	26	0	0	10.3
Graham.....	31	0	0	0	0	2	3	26	0	0	16.1
Grant.....	128	0	0	1	4	1	1	120	1	0	5.5
Gray.....	94	0	0	0	1	5	1	87	0	0	7.4
Greeley.....	12	0	0	0	0	0	0	12	0	0	0.0
Greenwood.....	58	0	0	0	0	3	0	54	1	0	5.2
Hamilton.....	57	0	0	0	1	3	3	50	0	0	12.3
Harper.....	72	0	0	0	2	3	2	65	0	0	9.7
Harvey.....	463	0	1	3	3	19	14	420	3	0	8.6
Haskell.....	61	0	1	0	0	0	7	53	0	0	13.1
Hodgeman.....	22	0	0	0	0	1	0	21	0	0	4.5
Jackson.....	165	0	0	1	0	3	9	152	0	0	7.9
Jefferson.....	199	0	0	0	3	12	4	180	0	0	9.5
Jewell.....	25	0	0	0	0	0	2	23	0	0	8.0
Johnson.....	7,390	0	6	27	50	315	222	6,743	22	5	8.4
Kearny.....	65	0	0	0	0	4	2	59	0	0	9.2
Kingman.....	79	0	0	1	0	0	2	76	0	0	3.8
Kiowa.....	28	0	0	0	2	0	0	25	1	0	7.1
Labette.....	277	0	1	0	1	13	18	243	1	0	11.9
Lane.....	16	0	0	0	0	2	2	12	0	0	25.0
Leavenworth.....	946	0	1	2	11	32	28	865	2	5	7.9
Lincoln.....	35	0	0	0	0	2	1	32	0	0	8.6
Linn.....	92	0	0	0	1	5	3	83	0	0	9.8
Logan.....	36	0	0	0	0	1	0	35	0	0	2.8

Table 16  
Live Births by Weeks Gestation  
By County of Residence  
Kansas, 2010

County of Residence	Total	Weeks Gestation									Percent Premature <37 weeks
		19 & Under	20-22	23-27	28-31	32-35	36	37-41	42 & Over	N.S.	
Lyon.....	426	0	0	4	3	19	11	381	6	2	8.7
McPherson.....	300	0	0	1	4	6	5	284	0	0	5.3
Marion.....	126	2	0	1	1	0	3	119	0	0	5.6
Marshall.....	111	0	0	0	0	6	6	97	1	1	10.9
Meade.....	52	0	0	0	1	1	1	48	1	0	5.8
Miami.....	384	1	0	2	1	13	9	356	2	0	6.8
Mitchell.....	66	0	0	0	1	1	1	63	0	0	4.5
Montgomery.....	426	0	0	1	6	16	21	381	0	1	10.4
Morris.....	54	0	0	0	0	3	2	48	0	1	9.4
Morton.....	34	0	0	0	1	0	0	31	1	1	3.0
Nemaha.....	131	0	0	0	1	2	5	123	0	0	6.1
Neosho.....	226	0	0	2	0	9	10	204	0	1	9.3
Ness.....	39	0	0	0	0	2	0	37	0	0	5.1
Norton.....	47	0	0	0	0	3	1	37	5	1	8.7
Osage.....	185	0	0	0	0	9	15	160	0	1	13.0
Osborne.....	47	0	0	3	0	2	1	41	0	0	12.8
Ottawa.....	80	0	0	1	0	4	5	70	0	0	12.5
Pawnee.....	77	0	0	0	1	1	3	71	0	1	6.6
Phillips.....	57	0	0	0	0	4	0	50	3	0	7.0
Pottawatomie....	382	0	0	0	0	17	17	346	2	0	8.9
Pratt.....	113	0	0	1	1	2	3	106	0	0	6.2
Rawlins.....	23	0	0	1	0	0	3	19	0	0	17.4
Reno.....	762	0	1	2	9	33	24	688	0	5	9.1
Republic.....	35	0	0	1	0	2	1	31	0	0	11.4
Rice.....	129	0	0	0	0	5	4	119	0	1	7.0
Riley.....	1,118	0	0	1	7	51	31	1,024	4	0	8.1
Rooks.....	66	0	0	0	0	0	0	65	1	0	0.0
Rush.....	30	0	0	0	0	1	0	29	0	0	3.3
Russell.....	93	0	2	1	1	2	4	82	1	0	10.8
Saline.....	805	0	1	2	5	21	16	756	3	1	5.6
Scott.....	43	0	0	0	0	1	0	41	1	0	2.3
Sedgwick.....	8,058	3	13	38	79	329	285	7,249	52	10	9.3
Seward.....	468	0	0	5	3	17	16	417	6	4	8.8
Shawnee.....	2,496	2	3	15	28	117	94	2,225	8	4	10.4
Sheridan.....	20	0	0	0	0	1	0	18	1	0	5.0
Sherman.....	83	0	0	0	3	7	1	72	0	0	13.3
Smith.....	31	0	0	0	1	0	1	28	1	0	6.5
Stafford.....	41	0	0	0	0	1	0	40	0	0	2.4
Stanton.....	30	0	0	0	0	1	0	29	0	0	3.3
Stevens.....	83	0	0	0	0	0	2	79	2	0	2.4
Sumner.....	312	0	0	2	8	8	5	287	2	0	7.4
Thomas.....	115	0	0	1	2	0	2	109	1	0	4.3
Trego.....	27	0	0	0	0	0	1	26	0	0	3.7
Wabaunsee.....	77	0	0	0	1	2	2	71	0	1	6.6
Wallace.....	12	0	0	0	0	0	0	12	0	0	0.0
Washington.....	57	0	0	0	0	0	3	53	1	0	5.3
Wichita.....	35	0	0	0	0	0	2	32	0	1	5.9
Wilson.....	128	0	0	2	1	2	5	117	1	0	7.8
Woodson.....	43	0	0	0	0	2	1	40	0	0	7.0
Wyandotte.....	2,754	4	5	26	29	115	79	2,486	8	2	9.4

Table 17  
 Live Births by Month Prenatal Care Began  
 By County of Residence  
 Kansas, 2010

County of Residence	Total	Month Care Began										
		1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	NONE	N.S.
Kansas.....	40,439	1,036	12,715	15,801	4,474	2,187	1,214	826	464	240	405	1,077
Allen.....	137	7	55	42	12	11	2	3	1	0	0	4
Anderson.....	106	5	40	42	10	3	4	1	0	0	0	1
Atchison.....	225	4	66	83	38	14	11	3	1	1	0	4
Barber.....	74	3	5	34	20	8	0	1	0	2	1	0
Barton.....	355	21	118	143	32	17	8	5	5	1	1	4
Bourbon.....	220	6	94	64	27	7	3	5	5	2	4	3
Brown.....	127	4	26	47	27	12	2	3	2	1	1	2
Butler.....	805	18	216	387	92	36	17	18	7	2	3	9
Chase.....	23	0	8	12	1	2	0	0	0	0	0	0
Chautauqua.....	25	0	7	6	3	4	2	2	0	0	1	0
Cherokee.....	237	2	57	90	35	24	10	5	2	3	2	7
Cheyenne.....	25	0	9	10	3	2	0	1	0	0	0	0
Clark.....	27	0	11	9	4	0	1	1	0	0	0	1
Clay.....	107	2	25	56	13	5	1	1	1	0	0	3
Cloud.....	130	4	38	55	9	12	3	2	5	0	0	2
Coffey.....	106	5	25	49	15	6	2	1	0	0	1	2
Comanche.....	20	0	3	11	4	2	0	0	0	0	0	0
Cowley.....	487	14	170	144	65	17	22	23	8	10	8	6
Crawford.....	478	4	130	211	65	25	16	16	5	0	2	4
Decatur.....	26	1	10	8	2	1	0	0	2	1	1	0
Dickinson.....	284	3	73	144	24	11	12	2	3	3	2	7
Doniphan.....	99	4	35	39	8	6	1	1	2	1	0	2
Douglas.....	1,263	19	570	409	112	52	31	27	13	5	13	12
Edwards.....	40	1	9	15	6	2	2	1	2	0	0	2
Elk.....	35	0	16	13	4	1	1	0	0	0	0	0
Ellis.....	375	4	60	253	31	10	5	6	1	3	1	1
Ellsworth.....	56	2	11	35	5	1	1	0	0	0	0	1
Finney.....	765	13	80	231	183	99	59	52	21	13	13	1
Ford.....	677	20	179	193	83	53	37	31	17	2	10	52
Franklin.....	337	15	142	98	39	14	14	7	3	1	1	3
Geary.....	1,051	30	280	431	112	63	40	37	24	18	6	10
Gove.....	29	1	12	7	4	3	1	1	0	0	0	0
Graham.....	31	0	6	21	1	1	1	0	0	0	0	1
Grant.....	128	3	30	42	29	11	3	1	3	3	0	3
Gray.....	94	4	24	40	13	4	1	1	2	0	1	4
Greeley.....	12	0	5	4	1	0	0	1	1	0	0	0
Greenwood.....	58	2	9	24	9	7	3	3	1	0	0	0
Hamilton.....	57	2	10	19	9	4	2	5	3	3	0	0
Harper.....	72	2	8	34	13	9	4	0	0	0	0	2
Harvey.....	463	4	70	271	52	29	9	8	8	7	5	0
Haskell.....	61	1	7	26	13	4	2	6	2	0	0	0
Hodgeman.....	22	1	8	9	2	0	0	1	0	0	1	0
Jackson.....	165	8	39	80	19	7	3	6	0	0	0	3
Jefferson.....	199	4	68	86	13	11	5	6	2	0	1	3
Jewell.....	25	0	7	13	1	1	1	2	0	0	0	0
Johnson.....	7,390	248	3,540	2,389	451	211	109	61	24	12	36	309
Kearny.....	65	2	16	19	14	5	2	1	5	0	1	0
Kingman.....	79	2	15	37	11	8	1	2	3	0	0	0
Kiowa.....	28	0	2	15	10	1	0	0	0	0	0	0
Labette.....	277	6	96	76	33	24	8	10	4	2	2	16
Lane.....	16	2	2	7	3	1	1	0	0	0	0	0
Leavenworth.....	946	40	422	317	59	30	13	14	9	3	7	32
Lincoln.....	35	0	9	20	0	4	0	1	1	0	0	0
Linn.....	92	3	41	29	9	3	2	1	2	0	0	2
Logan.....	36	1	11	16	2	1	2	0	0	3	0	0

Table 17  
 Live Births by Month Prenatal Care Began  
 By County of Residence  
 Kansas, 2010

County of Residence	Total	Month Care Began											
		1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	NONE	N.S.	
Lyon.....	426	15	114	166	66	28	15	8	0	2	3	9	
Marion.....	126	2	20	73	16	7	1	3	2	1	0	1	
Marshall.....	111	4	29	54	14	6	1	2	0	0	1	0	
McPherson.....	300	6	117	131	22	13	5	3	2	1	0	0	
Meade.....	52	2	16	17	6	4	3	3	0	1	0	0	
Miami.....	384	9	189	124	35	13	4	3	0	1	3	3	
Mitchell.....	66	0	23	36	2	3	1	0	0	1	0	0	
Montgomery.....	426	13	158	148	46	20	16	9	5	2	1	8	
Morris.....	54	4	17	21	6	2	2	0	0	0	0	2	
Morton.....	34	0	10	10	9	2	2	0	0	1	0	0	
Nemaha.....	131	5	37	64	17	3	2	1	1	0	0	1	
Neosho.....	226	9	84	74	21	17	8	3	3	1	2	4	
Ness.....	39	1	8	18	4	2	1	3	1	1	0	0	
Norton.....	47	0	20	19	5	1	1	1	0	0	0	0	
Osage.....	185	9	29	104	20	8	3	5	0	2	2	3	
Osborne.....	47	0	13	26	4	1	1	1	0	0	0	1	
Ottawa.....	80	1	20	46	7	1	0	3	2	0	0	0	
Pawnee.....	77	2	26	27	6	7	0	4	2	2	1	0	
Phillips.....	57	1	9	33	7	2	4	0	0	1	0	0	
Pottawatomie....	382	7	61	225	49	11	10	5	4	0	4	6	
Pratt.....	113	2	9	63	22	7	6	1	0	1	0	2	
Rawlins.....	23	2	10	9	1	0	0	0	0	0	0	1	
Reno.....	762	46	259	223	98	55	26	16	2	11	8	18	
Republic.....	35	0	15	16	3	0	0	0	1	0	0	0	
Rice.....	129	8	40	46	17	4	4	2	2	2	1	3	
Riley.....	1,118	12	290	555	105	46	33	25	19	14	11	8	
Rooks.....	66	1	11	38	4	3	1	3	2	1	0	2	
Rush.....	30	0	10	15	2	1	2	0	0	0	0	0	
Russell.....	93	3	14	49	14	4	5	1	1	0	2	0	
Saline.....	805	5	162	488	60	33	22	9	16	4	3	3	
Scott.....	43	0	9	13	9	5	3	1	1	2	0	0	
Sedgwick.....	8,058	111	2,147	3,345	1,106	527	311	161	90	44	99	117	
Seward.....	468	9	101	126	85	42	29	28	21	6	14	7	
Shawnee.....	2,496	81	496	1,261	306	143	61	38	29	10	17	54	
Sheridan.....	20	2	8	7	1	0	1	1	0	0	0	0	
Sherman.....	83	18	32	24	5	2	0	0	1	0	1	0	
Smith.....	31	0	3	19	6	1	0	1	1	0	0	0	
Stafford.....	41	2	8	17	3	2	5	2	1	1	0	0	
Stanton.....	30	1	9	2	5	2	1	3	1	3	2	1	
Stevens.....	83	2	15	28	7	13	5	3	1	4	0	5	
Sumner.....	312	5	91	118	51	21	11	7	3	0	2	3	
Thomas.....	115	8	43	37	10	5	2	3	2	4	0	1	
Trego.....	27	0	7	18	0	0	2	0	0	0	0	0	
Wabaunsee.....	77	1	11	44	11	5	2	3	0	0	0	0	
Wallace.....	12	0	1	6	2	1	0	0	1	1	0	0	
Washington.....	57	2	16	27	7	3	0	0	1	0	0	1	
Wichita.....	35	1	8	13	5	0	2	3	2	0	1	0	
Wilson.....	128	4	49	46	14	8	5	2	0	0	0	0	
Woodson.....	43	1	13	17	7	1	1	3	0	0	0	0	
Wyandotte.....	2,754	72	803	750	291	203	114	67	44	13	102	295	

Table 18  
Adequacy of Prenatal Care Utilization (APNCU) Index\*  
By County of Residence  
Kansas, 2010

County of Residence	Live Births	APNCU Category†								N.S.	
		Adequate Plus		Adequate		Intermediate		Inadequate			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Kansas.....	40,439	11,884	30.6	19,100	49.2	2,318	6.0	5,521	14.2	1,616	
Allen.....	137	46	34.8	57	43.2	12	9.1	17	12.9	5	
Anderson.....	106	40	38.1	51	48.6	6	5.7	8	7.6	1	
Atchison.....	225	67	30.9	112	51.6	8	3.7	30	13.8	8	
Barber.....	74	19	26.0	40	54.8	3	4.1	11	15.1	1	
Barton.....	355	149	42.7	146	41.8	17	4.9	37	10.6	6	
Bourbon.....	220	107	49.5	76	35.2	6	2.8	27	12.5	4	
Brown.....	127	26	20.8	62	49.6	16	12.8	21	16.8	2	
Butler.....	805	179	22.7	502	63.5	24	3.0	85	10.8	15	
Chase.....	23	8	34.8	10	43.5	2	8.7	3	13.0	0	
Chautauqua.....	25	10	40.0	6	24.0	0	0.0	9	36.0	0	
Cherokee.....	237	51	22.2	98	42.6	30	13.0	51	22.2	7	
Cheyenne.....	25	5	20.0	15	60.0	1	4.0	4	16.0	0	
Clark.....	27	6	23.1	15	57.7	3	11.5	2	7.7	1	
Clay.....	107	36	34.6	56	53.8	4	3.8	8	7.7	3	
Cloud.....	130	20	15.6	76	59.4	10	7.8	22	17.2	2	
Coffey.....	106	37	37.4	52	52.5	1	1.0	9	9.1	7	
Comanche.....	20	4	20.0	11	55.0	3	15.0	2	10.0	0	
Cowley.....	487	207	43.2	168	35.1	14	2.9	90	18.8	8	
Crawford.....	478	123	26.0	221	46.7	58	12.3	71	15.0	5	
Decatur.....	26	2	8.3	14	58.3	3	12.5	5	20.8	2	
Dickinson.....	284	76	27.7	145	52.9	20	7.3	33	12.0	10	
Doniphan.....	99	35	37.6	42	45.2	5	5.4	11	11.8	6	
Douglas.....	1,263	599	48.1	484	38.9	19	1.5	143	11.5	18	
Edwards.....	40	12	31.6	17	44.7	2	5.3	7	18.4	2	
Elk.....	35	11	31.4	21	60.0	1	2.9	2	5.7	0	
Ellis.....	375	93	24.9	201	53.7	48	12.8	32	8.6	1	
Ellsworth.....	56	11	20.0	35	63.6	7	12.7	2	3.6	1	
Finney.....	765	168	22.1	192	25.3	114	15.0	286	37.6	5	
Ford.....	677	154	24.8	221	35.6	84	13.5	162	26.1	56	
Franklin.....	337	116	34.8	152	45.6	25	7.5	40	12.0	4	
Geary.....	1,051	205	19.8	480	46.3	153	14.8	198	19.1	15	
Gove.....	29	4	13.8	14	48.3	6	20.7	5	17.2	0	
Graham.....	31	5	17.2	17	58.6	4	13.8	3	10.3	2	
Grant.....	128	34	28.6	47	39.5	13	10.9	25	21.0	9	
Gray.....	94	23	26.1	38	43.2	14	15.9	13	14.8	6	
Greeley.....	12	6	50.0	3	25.0	0	0.0	3	25.0	0	
Greenwood.....	58	18	31.6	21	36.8	3	5.3	15	26.3	1	
Hamilton.....	57	15	26.3	19	33.3	6	10.5	17	29.8	0	
Harper.....	72	18	26.1	36	52.2	2	2.9	13	18.8	3	
Harvey.....	463	214	46.7	170	37.1	8	1.7	66	14.4	5	
Haskell.....	61	15	25.0	23	38.3	6	10.0	16	26.7	1	
Hodgeman.....	22	5	22.7	10	45.5	5	22.7	2	9.1	0	
Jackson.....	165	58	37.7	62	40.3	15	9.7	19	12.3	11	
Jefferson.....	199	89	46.4	73	38.0	5	2.6	25	13.0	7	
Jewell.....	25	5	20.0	15	60.0	1	4.0	4	16.0	0	
Johnson.....	7,390	2,731	38.8	3,501	49.7	353	5.0	457	6.5	348	
Kearny.....	65	20	30.8	21	32.3	9	13.8	15	23.1	0	
Kingman.....	79	12	15.4	43	55.1	9	11.5	14	17.9	1	
Kiowa.....	28	9	32.1	17	60.7	1	3.6	1	3.6	0	
Labette.....	277	99	38.8	89	34.9	16	6.3	51	20.0	22	
Lane.....	16	10	62.5	1	6.3	3	18.8	2	12.5	0	
Leavenworth.....	946	330	36.5	451	49.8	45	5.0	79	8.7	41	
Lincoln.....	35	2	5.9	24	70.6	2	5.9	6	17.6	1	
Linn.....	92	36	40.0	41	45.6	4	4.4	9	10.0	2	
Logan.....	36	6	16.7	19	52.8	5	13.9	6	16.7	0	

Table 18  
Adequacy of Prenatal Care Utilization (APNCU) Index\*  
By County of Residence  
Kansas, 2010

County of Residence	Live Births	APNCU Category†								N.S.	
		Adequate Plus		Adequate		Intermediate		Inadequate			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Lyon.....	426	192	49.5	123	31.7	15	3.9	58	14.9	38	
Marion.....	126	51	41.1	58	46.8	1	0.8	14	11.3	2	
Marshall.....	111	33	29.7	57	51.4	11	9.9	10	9.0	0	
McPherson.....	300	108	36.1	155	51.8	12	4.0	24	8.0	1	
Meade.....	52	10	19.2	25	48.1	5	9.6	12	23.1	0	
Miami.....	384	154	40.4	191	50.1	10	2.6	26	6.8	3	
Mitchell.....	66	23	35.4	36	55.4	1	1.5	5	7.7	1	
Montgomery.....	426	221	53.4	122	29.5	19	4.6	52	12.6	12	
Morris.....	54	13	25.5	31	60.8	3	5.9	4	7.8	3	
Morton.....	34	7	21.2	19	57.6	2	6.1	5	15.2	1	
Nemaha.....	131	37	29.4	76	60.3	5	4.0	8	6.3	5	
Neosho.....	226	84	38.2	88	40.0	12	5.5	36	16.4	6	
Ness.....	39	10	25.6	16	41.0	5	12.8	8	20.5	0	
Norton.....	47	13	27.7	20	42.6	8	17.0	6	12.8	0	
Osage.....	185	79	46.5	65	38.2	7	4.1	19	11.2	15	
Osborne.....	47	14	31.8	25	56.8	1	2.3	4	9.1	3	
Ottawa.....	80	22	27.5	45	56.3	7	8.8	6	7.5	0	
Pawnee.....	77	19	25.3	32	42.7	7	9.3	17	22.7	2	
Phillips.....	57	14	24.6	23	40.4	13	22.8	7	12.3	0	
Pottawatomie.....	382	111	29.4	210	55.7	19	5.0	37	9.8	5	
Pratt.....	113	30	27.8	59	54.6	4	3.7	15	13.9	5	
Rawlins.....	23	10	50.0	7	35.0	2	10.0	1	5.0	3	
Reno.....	762	305	41.2	272	36.8	37	5.0	126	17.0	22	
Republic.....	35	10	28.6	21	60.0	3	8.6	1	2.9	0	
Rice.....	129	45	36.0	52	41.6	13	10.4	15	12.0	4	
Riley.....	1,118	262	23.7	602	54.4	90	8.1	152	13.7	12	
Rooks.....	66	11	17.5	33	52.4	8	12.7	11	17.5	3	
Rush.....	30	2	6.9	21	72.4	1	3.4	5	17.2	1	
Russell.....	93	28	30.4	39	42.4	10	10.9	15	16.3	1	
Saline.....	805	152	19.0	515	64.4	44	5.5	89	11.1	5	
Scott.....	43	15	34.9	15	34.9	1	2.3	12	27.9	0	
Sedgwick.....	8,058	1,303	16.7	5,009	64.3	228	2.9	1,244	16.0	274	
Seward.....	468	89	19.8	174	38.8	47	10.5	139	31.0	19	
Shawnee.....	2,496	1,054	45.1	833	35.7	146	6.3	302	12.9	161	
Sheridan.....	20	7	35.0	8	40.0	3	15.0	2	10.0	0	
Sherman.....	83	28	33.7	39	47.0	10	12.0	6	7.2	0	
Smith.....	31	12	38.7	13	41.9	3	9.7	3	9.7	0	
Stafford.....	41	8	19.5	22	53.7	0	0.0	11	26.8	0	
Stanton.....	30	3	10.7	12	42.9	1	3.6	12	42.9	2	
Stevens.....	83	7	9.1	35	45.5	6	7.8	29	37.7	6	
Sumner.....	312	74	24.2	183	59.8	6	2.0	43	14.1	6	
Thomas.....	115	40	35.4	39	34.5	14	12.4	20	17.7	2	
Trego.....	27	7	25.9	17	63.0	1	3.7	2	7.4	0	
Wabaunsee.....	77	32	42.7	30	40.0	2	2.7	11	14.7	2	
Wallace.....	12	5	41.7	4	33.3	0	0.0	3	25.0	0	
Washington.....	57	20	35.7	28	50.0	4	7.1	4	7.1	1	
Wichita.....	35	8	22.9	14	40.0	3	8.6	10	28.6	0	
Wilson.....	128	56	44.4	50	39.7	5	4.0	15	11.9	2	
Woodson.....	43	11	25.6	22	51.2	4	9.3	6	14.0	0	
Wyandotte.....	2,754	649	26.8	982	40.6	225	9.3	565	23.3	333	

\*See Technical Notes

†Percent calculation includes only Kansas resident live births for which number of prenatal visits, date of first prenatal visit and date of last menses were reported on the birth certificate.

Table 19  
Live Births by Birth Weight in Grams  
By County of Residence  
Kansas, 2010

County of Residence	Birth Weight in Grams													
	Total	Under 500	500 - 999	1000 - 1499	1500 - 1999	2000 - 2499	2500 - 2999	3000 - 3499	3500 - 3999	4000 - 4499	4500 - 4999	5000 & Over	N.S.	
Kansas.....	40,439	69	150	272	556	1,820	7,094	15,821	11,235	3,005	360	47	10	
Allen.....	137	0	1	0	1	5	28	69	26	7	0	0	0	
Anderson.....	106	0	0	2	3	4	21	42	25	7	2	0	0	
Atchison.....	225	0	0	0	3	10	43	88	60	21	0	0	0	
Barber.....	74	0	0	1	0	5	15	31	20	2	0	0	0	
Barton.....	355	0	1	2	5	12	75	141	98	16	5	0	0	
Bourbon.....	220	0	2	3	5	16	47	88	47	12	0	0	0	
Brown.....	127	0	0	0	4	7	17	48	40	9	1	1	0	
Butler.....	805	0	3	6	9	30	140	313	238	55	11	0	0	
Chase.....	23	0	0	2	0	1	3	4	11	2	0	0	0	
Chautauqua.....	25	0	0	0	0	1	5	10	7	1	1	0	0	
Cherokee.....	237	0	2	1	5	11	53	82	64	19	0	0	0	
Cheyenne.....	25	0	0	0	1	2	10	7	5	0	0	0	0	
Clark.....	27	0	0	1	0	1	7	8	7	2	1	0	0	
Clay.....	107	0	0	3	1	3	26	42	21	10	1	0	0	
Cloud.....	130	0	0	0	2	6	25	63	31	3	0	0	0	
Coffey.....	106	0	1	0	4	2	18	43	33	5	0	0	0	
Comanche.....	20	0	0	0	1	1	7	4	6	1	0	0	0	
Cowley.....	487	0	4	3	7	18	96	199	119	35	5	1	0	
Crawford.....	478	0	1	3	2	12	111	201	120	24	4	0	0	
Decatur.....	26	0	0	2	0	1	5	12	5	1	0	0	0	
Dickinson.....	284	1	1	0	2	11	41	118	87	19	3	0	1	
Doniphan.....	99	0	0	1	4	4	15	37	28	9	1	0	0	
Douglas.....	1,263	1	1	3	14	54	197	486	377	116	9	5	0	
Edwards.....	40	0	0	0	1	2	8	14	12	3	0	0	0	
Elk.....	35	0	0	0	1	2	5	19	6	2	0	0	0	
Ellis.....	375	0	0	1	5	14	66	139	116	32	2	0	0	
Ellsworth.....	56	0	0	0	0	2	9	24	19	2	0	0	0	
Finney.....	765	1	4	3	16	35	146	316	195	41	5	3	0	
Ford.....	677	1	5	1	4	23	122	278	195	43	3	1	1	
Franklin.....	337	0	2	2	4	13	54	151	82	28	1	0	0	
Geary.....	1,051	2	3	5	13	53	167	411	286	102	8	1	0	
Gove.....	29	0	0	0	1	2	6	14	5	1	0	0	0	
Graham.....	31	0	0	0	0	5	2	9	7	6	1	1	0	
Grant.....	128	0	1	1	3	2	27	50	40	3	1	0	0	
Gray.....	94	0	1	0	0	7	7	48	25	5	1	0	0	
Greeley.....	12	0	0	0	0	0	6	1	4	1	0	0	0	
Greenwood.....	58	0	0	0	1	2	19	18	12	6	0	0	0	
Hamilton.....	57	0	1	0	1	6	13	23	11	1	1	0	0	
Harper.....	72	0	0	1	2	4	18	26	16	4	0	1	0	
Harvey.....	463	2	2	1	9	19	76	197	124	30	1	2	0	
Haskell.....	61	1	0	0	0	1	9	31	15	3	1	0	0	
Hodgeman.....	22	0	0	0	1	0	1	9	8	2	1	0	0	
Jackson.....	165	0	1	0	1	9	26	67	38	20	2	1	0	
Jefferson.....	199	0	0	1	2	6	25	79	65	20	1	0	0	
Jewell.....	25	0	0	0	0	0	7	10	7	1	0	0	0	
Johnson.....	7,390	7	25	43	99	294	1,103	2,774	2,343	623	71	4	4	
Kearny.....	65	0	0	0	1	4	13	23	19	5	0	0	0	
Kingman.....	79	0	1	0	0	4	17	25	22	8	1	1	0	
Kiowa.....	28	0	0	2	0	0	3	9	9	5	0	0	0	
Labette.....	277	1	0	1	3	16	66	110	53	24	3	0	0	
Lane.....	16	0	0	0	0	1	3	8	2	2	0	0	0	
Leavenworth.....	946	2	1	10	14	29	179	353	265	79	14	0	0	
Lincoln.....	35	0	0	0	1	3	6	15	8	1	1	0	0	
Linn.....	92	0	0	1	0	6	17	40	20	7	1	0	0	
Logan.....	36	0	0	1	0	0	7	12	13	3	0	0	0	

Table 19  
Live Births by Birth Weight in Grams  
By County of Residence  
Kansas, 2010

County of Residence	Birth Weight in Grams													
	Total	Under 500	500 - 999	1000 - 1499	1500 - 1999	2000 - 2499	2500 - 2999	3000 - 3499	3500 - 3999	4000 - 4499	4500 - 4999	5000 & Over	N.S.	
Lyon.....	426	0	4	2	3	20	73	167	123	29	5	0	0	
Marion.....	126	2	1	1	0	0	23	56	30	11	2	0	0	
Marshall.....	111	0	0	0	1	9	24	46	26	5	0	0	0	
McPherson.....	300	0	1	2	4	7	47	128	81	27	2	1	0	
Meade.....	52	0	0	1	0	0	7	28	14	1	1	0	0	
Miami.....	384	1	1	1	3	12	52	150	123	35	6	0	0	
Mitchell.....	66	0	0	0	1	1	18	26	17	3	0	0	0	
Montgomery.....	426	0	0	7	4	21	98	180	91	23	2	0	0	
Morris.....	54	0	0	0	0	3	12	26	9	4	0	0	0	
Morton.....	34	0	0	1	1	1	5	15	8	1	2	0	0	
Nemaha.....	131	0	0	1	1	7	24	50	35	12	1	0	0	
Neosho.....	226	1	1	1	3	10	32	95	70	11	2	0	0	
Ness.....	39	0	0	0	0	0	9	13	16	1	0	0	0	
Norton.....	47	0	0	0	0	2	5	13	15	9	2	1	0	
Osage.....	185	0	0	0	3	8	40	77	43	13	1	0	0	
Osborne.....	47	0	2	1	0	0	12	15	14	3	0	0	0	
Ottawa.....	80	0	1	0	1	5	12	29	28	4	0	0	0	
Pawnee.....	77	0	0	0	1	0	15	31	23	5	2	0	0	
Phillips.....	57	0	0	0	2	4	7	16	17	10	0	0	1	
Pottawatomie.....	382	0	0	0	4	18	47	144	133	27	6	3	0	
Pratt.....	113	0	0	1	1	1	31	49	20	9	1	0	0	
Rawlins.....	23	0	1	0	0	3	3	9	6	1	0	0	0	
Reno.....	762	2	2	9	4	48	132	290	213	51	10	1	0	
Republic.....	35	0	1	0	0	3	8	10	12	1	0	0	0	
Rice.....	129	0	0	2	1	5	29	38	35	13	6	0	0	
Riley.....	1,118	0	0	8	12	40	174	451	326	97	9	1	0	
Rooks.....	66	0	0	0	0	2	13	32	11	6	0	2	0	
Rush.....	30	0	0	0	0	1	2	14	11	2	0	0	0	
Russell.....	93	2	1	0	1	4	21	30	25	7	1	1	0	
Saline.....	805	2	3	1	10	34	172	314	223	41	4	1	0	
Scott.....	43	0	0	0	1	1	7	23	9	2	0	0	0	
Sedgwick.....	8,058	20	31	62	137	437	1,438	3,138	2,092	631	64	7	1	
Seward.....	468	0	4	3	7	24	77	182	132	31	6	2	0	
Shawnee.....	2,496	8	10	21	36	110	454	974	676	182	22	2	1	
Sheridan.....	20	0	0	0	0	0	5	8	6	1	0	0	0	
Sherman.....	83	0	0	2	4	4	25	27	15	5	1	0	0	
Smith.....	31	0	0	0	0	3	5	12	9	2	0	0	0	
Stafford.....	41	0	0	0	0	3	6	22	8	2	0	0	0	
Stanton.....	30	0	0	0	0	1	2	17	7	3	0	0	0	
Stevens.....	83	0	0	0	1	1	15	36	21	7	1	1	0	
Sumner.....	312	0	0	7	8	18	58	124	77	16	4	0	0	
Thomas.....	115	0	1	1	1	5	15	45	40	7	0	0	0	
Trego.....	27	0	0	0	0	0	2	15	8	2	0	0	0	
Wabaunsee.....	77	0	0	2	0	0	11	27	32	5	0	0	0	
Wallace.....	12	0	0	0	0	1	3	1	7	0	0	0	0	
Washington.....	57	0	0	0	0	1	13	26	15	2	0	0	0	
Wichita.....	35	0	0	0	0	4	9	13	9	0	0	0	0	
Wilson.....	128	1	0	2	1	2	25	49	42	4	0	1	1	
Woodson.....	43	0	0	0	1	2	7	15	14	4	0	0	0	
Wyandotte.....	2,754	11	21	26	40	150	524	1,084	707	155	34	2	0	

Table 20  
Live Births by Initiation of Breastfeeding\*  
By County of Residence  
Kansas , 2010

County of Residence	Live Births	Initiated Breastfeeding		Did Not Initiate Breastfeeding		N.S. <sup>†</sup>
		Number	Percent	Number	Percent	
Kansas.....	40,439	31,058	77.2	9,188	22.8	193
Allen.....	137	85	62.0	52	38.0	0
Anderson.....	106	75	70.8	31	29.2	0
Atchison.....	225	134	59.6	91	40.4	0
Barber.....	74	56	75.7	18	24.3	0
Barton.....	355	247	70.0	106	30.0	2
Bourbon.....	220	167	77.0	50	23.0	3
Brown.....	127	91	71.7	36	28.3	0
Butler.....	805	613	76.4	189	23.6	3
Chase.....	23	17	73.9	6	26.1	0
Chautauqua.....	25	22	91.7	2	8.3	1
Cherokee.....	237	136	58.4	97	41.6	4
Cheyenne.....	25	24	96.0	1	4.0	0
Clark.....	27	19	70.4	8	29.6	0
Clay.....	107	73	68.2	34	31.8	0
Cloud.....	130	99	76.2	31	23.8	0
Coffey.....	106	67	64.4	37	35.6	2
Comanche.....	20	16	80.0	4	20.0	0
Cowley.....	487	310	64.0	174	36.0	3
Crawford.....	478	313	65.5	165	34.5	0
Decatur.....	26	21	80.8	5	19.2	0
Dickinson.....	284	221	78.9	59	21.1	4
Doniphan.....	99	64	66.0	33	34.0	2
Douglas.....	1,263	1,066	84.7	193	15.3	4
Edwards.....	40	23	59.0	16	41.0	1
Elk.....	35	29	82.9	6	17.1	0
Ellis.....	375	319	85.1	56	14.9	0
Ellsworth.....	56	40	71.4	16	28.6	0
Finney.....	765	635	83.4	126	16.6	4
Ford.....	677	482	71.3	194	28.7	1
Franklin.....	337	227	67.8	108	32.2	2
Geary.....	1,051	795	76.0	251	24.0	5
Gove.....	29	27	93.1	2	6.9	0
Graham.....	31	24	77.4	7	22.6	0
Grant.....	128	90	70.3	38	29.7	0
Gray.....	94	77	81.9	17	18.1	0
Greeley.....	12	12	100.0	0	0.0	0
Greenwood.....	58	39	67.2	19	32.8	0
Hamilton.....	57	43	75.4	14	24.6	0
Harper.....	72	53	73.6	19	26.4	0
Harvey.....	463	392	85.2	68	14.8	3
Haskell.....	61	45	75.0	15	25.0	1
Hodgeman.....	22	16	72.7	6	27.3	0
Jackson.....	165	135	81.8	30	18.2	0
Jefferson.....	199	156	79.6	40	20.4	3
Jewell.....	25	22	88.0	3	12.0	0
Johnson.....	7,390	6,319	85.8	1,042	14.2	29
Kearny.....	65	55	84.6	10	15.4	0
Kingman.....	79	61	77.2	18	22.8	0
Kiowa.....	28	25	89.3	3	10.7	0
Labette.....	277	175	63.9	99	36.1	3
Lane.....	16	15	93.8	1	6.3	0
Leavenworth.....	946	730	77.4	213	22.6	3
Lincoln.....	35	32	91.4	3	8.6	0
Linn.....	92	68	73.9	24	26.1	0
Logan.....	36	32	91.4	3	8.6	1

Table 20  
Live Births by Initiation of Breastfeeding\*  
By County of Residence  
Kansas , 2010

County of Residence	Live Births	Initiated Breastfeeding		Did Not Initiate Breastfeeding		N.S. <sup>†</sup>
		Number	Percent	Number	Percent	
Lyon.....	426	331	78.1	93	21.9	2
Marion.....	126	100	80.6	24	19.4	2
Marshall.....	111	84	75.7	27	24.3	0
McPherson.....	300	244	81.3	56	18.7	0
Meade.....	52	40	78.4	11	21.6	1
Miami.....	384	289	75.5	94	24.5	1
Mitchell.....	66	56	84.8	10	15.2	0
Montgomery.....	426	249	58.6	176	41.4	1
Morris.....	54	40	74.1	14	25.9	0
Morton.....	34	26	76.5	8	23.5	0
Nemaha.....	131	99	75.6	32	24.4	0
Neosho.....	226	132	59.2	91	40.8	3
Ness.....	39	29	74.4	10	25.6	0
Norton.....	47	36	76.6	11	23.4	0
Osage.....	185	130	70.3	55	29.7	0
Osborne.....	47	39	84.8	7	15.2	1
Ottawa.....	80	57	72.2	22	27.8	1
Pawnee.....	77	57	74.0	20	26.0	0
Phillips.....	57	48	84.2	9	15.8	0
Pottawatomie.....	382	330	86.4	52	13.6	0
Pratt.....	113	83	74.1	29	25.9	1
Rawlins.....	23	17	77.3	5	22.7	1
Reno.....	762	577	76.5	177	23.5	8
Republic.....	35	24	68.6	11	31.4	0
Rice.....	129	85	65.9	44	34.1	0
Riley.....	1,118	904	81.1	210	18.9	4
Rooks.....	66	47	71.2	19	28.8	0
Rush.....	30	22	73.3	8	26.7	0
Russell.....	93	64	70.3	27	29.7	2
Saline.....	805	572	71.4	229	28.6	4
Scott.....	43	37	86.0	6	14.0	0
Sedgwick.....	8,058	6,130	76.4	1,893	23.6	35
Seward.....	468	331	71.0	135	29.0	2
Shawnee.....	2,496	1,838	74.2	640	25.8	18
Sheridan.....	20	17	85.0	3	15.0	0
Sherman.....	83	67	80.7	16	19.3	0
Smith.....	31	23	74.2	8	25.8	0
Stafford.....	41	34	82.9	7	17.1	0
Stanton.....	30	24	80.0	6	20.0	0
Stevens.....	83	63	75.9	20	24.1	0
Sumner.....	312	233	74.7	79	25.3	0
Thomas.....	115	101	87.8	14	12.2	0
Trego.....	27	18	66.7	9	33.3	0
Wabaunsee.....	77	60	77.9	17	22.1	0
Wallace.....	12	10	83.3	2	16.7	0
Washington.....	57	49	87.5	7	12.5	1
Wichita.....	35	29	82.9	6	17.1	0
Wilson.....	128	84	66.1	43	33.9	1
Woodson.....	43	32	76.2	10	23.8	1
Wyandotte.....	2,754	1,938	70.9	797	29.1	19

\*See Technical Notes

<sup>†</sup>Not stated (N.S.) includes births with missing/unknown data and where the infant died shortly after birth.

Table 21  
Live Births by the Mother's Reported Cigarette Use\*  
By County of Residence  
Kansas, 2010

County of Residence	Total	3 Months Prior to Pregnancy	First Trimester of Pregnancy	Second Trimester of Pregnancy	Third Trimester of Pregnancy	Any Time During Pregnancy		N.S.
						Number	Percent	
Kansas.....	40,439	6,948	5,828	5,171	5,005	5,919	15.0	1,030
Allen.....	137	59	54	46	44	54	39.4	0
Anderson.....	106	23	19	20	18	20	18.9	0
Atchison.....	225	65	49	44	42	49	24.5	25
Barber.....	74	15	12	12	11	13	17.6	0
Barton.....	355	75	68	63	63	68	19.2	1
Bourbon.....	220	35	34	33	32	34	16.3	12
Brown.....	127	40	32	29	28	32	26.9	8
Butler.....	805	181	164	155	155	166	20.6	0
Chase.....	23	4	3	3	3	3	13.6	1
Chautauqua.....	25	6	6	6	6	6	24.0	0
Cherokee.....	237	70	58	56	53	60	49.2	115
Cheyenne.....	25	4	3	1	1	3	12.5	1
Clark.....	27	4	3	3	2	3	11.1	0
Clay.....	107	25	19	16	15	19	17.9	1
Cloud.....	130	33	29	23	21	29	22.3	0
Coffey.....	106	25	22	18	17	22	21.0	1
Comanche.....	20	4	4	3	3	4	20.0	0
Cowley.....	487	147	128	120	116	132	27.1	0
Crawford.....	478	90	80	77	76	80	18.9	54
Decatur.....	26	9	8	7	5	8	30.8	0
Dickinson.....	284	77	63	55	53	65	23.0	2
Doniphan.....	99	28	20	17	16	21	48.8	56
Douglas.....	1,263	207	164	133	123	165	13.2	14
Edwards.....	40	10	8	7	7	8	20.0	0
Elk.....	35	9	9	8	7	9	25.7	0
Ellis.....	375	79	52	36	38	52	13.9	0
Ellsworth.....	56	17	11	10	10	11	19.6	0
Finney.....	765	82	56	39	34	57	7.5	6
Ford.....	677	62	52	46	43	53	7.9	3
Franklin.....	337	94	81	71	68	82	24.9	8
Geary.....	1,051	210	170	136	126	176	16.8	4
Gove.....	29	3	1	1	1	1	3.4	0
Graham.....	31	12	9	8	7	9	29.0	0
Grant.....	128	14	10	9	10	11	8.7	1
Gray.....	94	7	6	6	6	6	6.4	0
Greeley.....	12	2	1	0	0	1	8.3	0
Greenwood.....	58	23	18	16	16	18	32.1	2
Hamilton.....	57	5	3	3	3	3	5.3	0
Harper.....	72	12	12	12	12	12	16.7	0
Harvey.....	463	78	69	66	65	70	15.2	1
Haskell.....	61	4	4	4	4	4	6.8	2
Hodgeman.....	22	4	1	2	2	2	9.1	0
Jackson.....	165	42	37	27	26	37	22.6	1
Jefferson.....	199	46	28	25	25	29	14.9	5
Jewell.....	25	6	4	5	6	6	26.1	2
Johnson.....	7,390	607	417	326	312	429	6.2	419
Kearny.....	65	12	10	9	9	10	15.4	0
Kingman.....	79	17	16	15	15	16	20.3	0
Kiowa.....	28	6	4	3	3	4	14.3	0
Labette.....	277	85	75	67	66	75	29.0	18
Lane.....	16	4	2	1	1	2	12.5	0
Leavenworth.....	946	190	144	123	120	150	16.5	37
Lincoln.....	35	9	8	7	8	9	25.7	0
Linn.....	92	24	17	17	16	17	18.7	1
Logan.....	36	5	2	2	2	2	5.6	0

Table 21  
 Live Births by the Mother's Reported Cigarette Use\*  
 By County of Residence  
 Kansas, 2010

County of Residence	Total	3 Months Prior to Pregnancy	First Trimester of Pregnancy	Second Trimester of Pregnancy	Third Trimester of Pregnancy	Any Time During Pregnancy		N.S.
						Number	Percent	
Lyon.....	426	81	58	45	44	59	14.0	6
Marion.....	126	18	16	14	14	16	12.7	0
Marshall.....	111	25	23	21	21	23	21.3	3
McPherson.....	300	62	49	44	40	49	16.4	1
Meade.....	52	6	4	4	4	4	7.7	0
Miami.....	384	79	63	59	53	64	16.9	6
Mitchell.....	66	17	16	14	15	16	24.2	0
Montgomery.....	426	143	130	120	118	131	30.9	2
Morris.....	54	20	18	16	14	18	33.3	0
Morton.....	34	7	7	6	6	7	20.6	0
Nemaha.....	131	12	9	8	8	9	7.0	2
Neosho.....	226	70	57	51	45	57	25.6	3
Ness.....	39	9	6	5	4	6	15.4	0
Norton.....	47	14	12	11	10	12	27.9	4
Osage.....	185	62	54	44	42	54	29.3	1
Osborne.....	47	11	11	9	8	11	23.9	1
Ottawa.....	80	17	13	12	12	14	17.7	1
Pawnee.....	77	17	14	13	12	14	18.2	0
Phillips.....	57	18	13	12	12	13	26.0	7
Pottawatomie.....	382	50	35	32	30	36	9.5	5
Pratt.....	113	27	22	22	21	23	20.4	0
Rawlins.....	23	3	3	3	4	4	17.4	0
Reno.....	762	174	147	125	118	149	19.7	5
Republic.....	35	6	6	6	6	6	17.1	0
Rice.....	129	31	23	19	19	23	18.0	1
Riley.....	1,118	160	131	94	88	133	12.0	7
Rooks.....	66	31	23	24	23	27	40.9	0
Rush.....	30	6	6	5	5	6	20.0	0
Russell.....	93	34	25	21	20	25	26.9	0
Saline.....	805	221	187	162	156	192	23.9	1
Scott.....	43	12	10	10	10	12	27.9	0
Sedgwick.....	8,058	1,265	1,221	1,169	1,157	1,225	15.3	31
Seward.....	468	29	24	21	21	25	5.4	5
Shawnee.....	2,496	583	482	430	414	491	19.9	34
Sheridan.....	20	3	2	1	1	2	10.5	1
Sherman.....	83	23	19	17	17	19	23.2	1
Smith.....	31	7	7	6	7	8	25.8	0
Stafford.....	41	8	5	5	6	6	14.6	0
Stanton.....	30	5	3	3	4	4	13.3	0
Stevens.....	83	8	6	6	6	6	7.3	1
Sumner.....	312	82	81	81	81	81	26.2	3
Thomas.....	115	21	17	14	13	17	14.8	0
Trego.....	27	6	5	5	5	5	18.5	0
Wabaunsee.....	77	17	13	11	11	13	17.1	1
Wallace.....	12	1	1	1	1	1	8.3	0
Washington.....	57	3	3	3	3	3	5.4	1
Wichita.....	35	4	4	4	4	4	11.4	0
Wilson.....	128	45	42	36	34	42	33.1	1
Woodson.....	43	14	12	11	11	12	27.9	0
Wyandotte.....	2,754	375	311	269	256	315	11.8	94

\* See Technical Notes

Table 22  
 Live Births by Birth Weight Category for Gestational Age\*  
 By County of Residence  
 Kansas, 2010

County of Residence	Total	Normal for Gestational Age (10th or greater percentile)		Small for Gestational Age (Less than 10th percentile)		N.S.
		Number	Percent	Number	Percent	
Kansas.....	40,439	36,358	90.1	4,015	9.9	66
Allen.....	137	122	89.1	15	10.9	0
Anderson.....	106	96	90.6	10	9.4	0
Atchison.....	225	207	92.0	18	8.0	0
Barber.....	74	64	86.5	10	13.5	0
Barton.....	355	308	87.0	46	13.0	1
Bourbon.....	220	190	87.6	27	12.4	3
Brown.....	127	110	86.6	17	13.4	0
Butler.....	805	732	90.9	73	9.1	0
Chase.....	23	19	82.6	4	17.4	0
Chautauqua.....	25	21	84.0	4	16.0	0
Cherokee.....	237	213	89.9	24	10.1	0
Cheyenne.....	25	21	84.0	4	16.0	0
Clark.....	27	23	85.2	4	14.8	0
Clay.....	107	96	89.7	11	10.3	0
Cloud.....	130	114	87.7	16	12.3	0
Coffey.....	106	96	90.6	10	9.4	0
Comanche.....	20	14	70.0	6	30.0	0
Cowley.....	487	441	90.6	46	9.4	0
Crawford.....	478	433	91.0	43	9.0	2
Decatur.....	26	22	84.6	4	15.4	0
Dickinson.....	284	267	94.3	16	5.7	1
Doniphan.....	99	91	91.9	8	8.1	0
Douglas.....	1,263	1,164	92.2	99	7.8	0
Edwards.....	40	36	90.0	4	10.0	0
Elk.....	35	31	88.6	4	11.4	0
Ellis.....	375	345	92.0	30	8.0	0
Ellsworth.....	56	52	92.9	4	7.1	0
Finney.....	765	681	89.0	84	11.0	0
Ford.....	677	605	89.8	69	10.2	3
Franklin.....	337	310	92.0	27	8.0	0
Geary.....	1,051	949	90.3	102	9.7	0
Gove.....	29	26	89.7	3	10.3	0
Graham.....	31	29	93.5	2	6.5	0
Grant.....	128	117	91.4	11	8.6	0
Gray.....	94	88	93.6	6	6.4	0
Greeley.....	12	9	75.0	3	25.0	0
Greenwood.....	58	50	86.2	8	13.8	0
Hamilton.....	57	43	75.4	14	24.6	0
Harper.....	72	58	80.6	14	19.4	0
Harvey.....	463	411	88.8	52	11.2	0
Haskell.....	61	59	96.7	2	3.3	0
Hodgeman.....	22	21	95.5	1	4.5	0
Jackson.....	165	153	92.7	12	7.3	0
Jefferson.....	199	191	96.0	8	4.0	0
Jewell.....	25	20	80.0	5	20.0	0
Johnson.....	7,390	6,763	91.6	619	8.4	8
Kearny.....	65	58	89.2	7	10.8	0
Kingman.....	79	66	83.5	13	16.5	0
Kiowa.....	28	27	96.4	1	3.6	0
Labette.....	277	244	88.1	33	11.9	0
Lane.....	16	15	93.8	1	6.3	0
Leavenworth.....	946	843	89.6	98	10.4	5
Lincoln.....	35	31	88.6	4	11.4	0
Linn.....	92	82	89.1	10	10.9	0
Logan.....	36	32	88.9	4	11.1	0

Table 22  
 Live Births by Birth Weight Category for Gestational Age\*  
 By County of Residence  
 Kansas, 2010

County of Residence	Total	Normal for Gestational Age (10th or greater percentile)		Small for Gestational Age (Less than 10th percentile)		N.S.
		Number	Percent	Number	Percent	
Lyon.....	426	386	91.0	38	9.0	2
Marion.....	126	112	88.9	14	11.1	0
Marshall.....	111	94	85.5	16	14.5	1
McPherson.....	300	273	91.0	27	9.0	0
Meade.....	52	51	98.1	1	1.9	0
Miami.....	384	356	92.7	28	7.3	0
Mitchell.....	66	55	83.3	11	16.7	0
Montgomery.....	426	374	88.0	51	12.0	1
Morris.....	54	49	92.5	4	7.5	1
Morton.....	34	30	90.9	3	9.1	1
Nemaha.....	131	112	85.5	19	14.5	0
Neosho.....	226	213	94.7	12	5.3	1
Ness.....	39	35	89.7	4	10.3	0
Norton.....	47	35	76.1	11	23.9	1
Osage.....	185	166	90.2	18	9.8	1
Osborne.....	47	45	95.7	2	4.3	0
Ottawa.....	80	73	91.3	7	8.8	0
Pawnee.....	77	69	90.8	7	9.2	1
Phillips.....	57	49	87.5	7	12.5	1
Pottawatomie.....	382	361	94.5	21	5.5	0
Pratt.....	113	98	86.7	15	13.3	0
Rawlins.....	23	23	100.0	0	0.0	0
Reno.....	762	686	90.6	71	9.4	5
Republic.....	35	30	85.7	5	14.3	0
Rice.....	129	111	86.7	17	13.3	1
Riley.....	1,118	1,044	93.4	74	6.6	0
Rooks.....	66	59	89.4	7	10.6	0
Rush.....	30	28	93.3	2	6.7	0
Russell.....	93	83	89.2	10	10.8	0
Saline.....	805	704	87.6	100	12.4	1
Scott.....	43	37	86.0	6	14.0	0
Sedgwick.....	8,058	7,178	89.2	869	10.8	11
Seward.....	468	413	89.0	51	11.0	4
Shawnee.....	2,496	2,273	91.2	218	8.8	5
Sheridan.....	20	18	90.0	2	10.0	0
Sherman.....	83	66	79.5	17	20.5	0
Smith.....	31	26	83.9	5	16.1	0
Stafford.....	41	38	92.7	3	7.3	0
Stanton.....	30	29	96.7	1	3.3	0
Stevens.....	83	71	85.5	12	14.5	0
Sumner.....	312	276	88.5	36	11.5	0
Thomas.....	115	107	93.0	8	7.0	0
Trego.....	27	27	100.0	0	0.0	0
Wabaunsee.....	77	72	94.7	4	5.3	1
Wallace.....	12	10	83.3	2	16.7	0
Washington.....	57	54	94.7	3	5.3	0
Wichita.....	35	29	85.3	5	14.7	1
Wilson.....	128	114	89.8	13	10.2	1
Woodson.....	43	39	90.7	4	9.3	0
Wyandotte.....	2,754	2,368	86.0	384	14.0	2

\* See Technical Notes

Table 23  
 Mother's Weight Gain in Pregnancy by Prepregnancy BMI Category\*  
 By County of Residence  
 Kansas, 2010

County of Residence	Singleton Births	Less than Recommended Weight Gain		Recommended Weight Gain		More than Recommended Weight Gain		N.S. <sup>†</sup>
		Number	Percent	Number	Percent	Number	Percent	
Kansas.....	39,194	7,279	19.0	12,295	32.1	18,701	48.9	919
Allen.....	137	34	24.8	47	34.3	56	40.9	0
Anderson.....	98	20	21.1	31	32.6	44	46.3	3
Atchison.....	218	34	15.8	71	33.0	110	51.2	3
Barber.....	72	18	25.7	21	30.0	31	44.3	2
Barton.....	351	91	26.9	96	28.4	151	44.7	13
Bourbon.....	208	67	32.8	53	26.0	84	41.2	4
Brown.....	127	27	21.8	42	33.9	55	44.4	3
Butler.....	782	150	19.4	213	27.6	409	53.0	10
Chase.....	23	5	22.7	8	36.4	9	40.9	1
Chautauqua.....	23	6	27.3	8	36.4	8	36.4	1
Cherokee.....	227	63	29.0	64	29.5	90	41.5	10
Cheyenne.....	24	8	34.8	6	26.1	9	39.1	1
Clark.....	25	7	28.0	5	20.0	13	52.0	0
Clay.....	105	22	21.4	27	26.2	54	52.4	2
Cloud.....	130	26	20.0	38	29.2	66	50.8	0
Coffey.....	102	24	24.5	27	27.6	47	48.0	4
Comanche.....	18	5	29.4	2	11.8	10	58.8	1
Cowley.....	472	101	21.8	163	35.2	199	43.0	9
Crawford.....	473	108	23.1	169	36.2	190	40.7	6
Decatur.....	24	8	34.8	7	30.4	8	34.8	1
Dickinson.....	280	48	17.6	96	35.2	129	47.3	7
Doniphan.....	93	16	17.6	23	25.3	52	57.1	2
Douglas.....	1,230	268	22.3	394	32.8	541	45.0	27
Edwards.....	40	7	17.9	11	28.2	21	53.8	1
Elk.....	33	6	18.2	14	42.4	13	39.4	0
Ellis.....	363	64	17.8	126	35.1	169	47.1	4
Ellsworth.....	56	9	16.1	18	32.1	29	51.8	0
Finney.....	745	145	19.6	214	28.9	381	51.5	5
Ford.....	657	137	21.0	212	32.5	303	46.5	5
Franklin.....	327	63	19.4	100	30.9	161	49.7	3
Geary.....	1,018	183	18.2	278	27.6	545	54.2	12
Gove.....	27	12	44.4	10	37.0	5	18.5	0
Graham.....	29	6	21.4	5	17.9	17	60.7	1
Grant.....	126	24	22.0	32	29.4	53	48.6	17
Gray.....	86	20	23.3	30	34.9	36	41.9	0
Greeley.....	12	5	41.7	3	25.0	4	33.3	0
Greenwood.....	58	10	17.5	21	36.8	26	45.6	1
Hamilton.....	55	12	22.6	20	37.7	21	39.6	2
Harper.....	68	13	19.1	21	30.9	34	50.0	0
Harvey.....	452	72	16.1	145	32.4	230	51.5	5
Haskell.....	61	9	15.0	11	18.3	40	66.7	1
Hodgeman.....	22	5	22.7	4	18.2	13	59.1	0
Jackson.....	161	30	19.5	50	32.5	74	48.1	7
Jefferson.....	194	33	17.6	60	31.9	95	50.5	6
Jewell.....	25	4	16.0	11	44.0	10	40.0	0
Johnson.....	7,071	1,094	15.7	2,459	35.3	3,409	49.0	109
Kearny.....	63	14	22.2	22	34.9	27	42.9	0
Kingman.....	76	18	24.7	20	27.4	35	47.9	3
Kiowa.....	24	2	8.3	6	25.0	16	66.7	0
Labette.....	264	69	27.1	73	28.6	113	44.3	9
Lane.....	16	2	13.3	3	20.0	10	66.7	1
Leavenworth.....	929	179	19.7	271	29.9	457	50.4	22
Lincoln.....	33	6	18.2	7	21.2	20	60.6	0
Linn.....	92	21	22.8	20	21.7	51	55.4	0
Logan.....	36	13	36.1	11	30.6	12	33.3	0

Table 23  
 Mother's Weight Gain in Pregnancy by Prepregnancy BMI Category\*  
 By County of Residence  
 Kansas, 2010

County of Residence	Singleton Births	Less than Recommended Weight Gain		Recommended Weight Gain		More than Recommended Weight Gain		N.S. <sup>T</sup>
		Number	Percent	Number	Percent	Number	Percent	
Lyon.....	420	75	18.3	125	30.6	209	51.1	11
Marion.....	157	62	39.5	45	28.7	50	31.8	0
Marshall.....	105	23	22.3	32	31.1	48	46.6	2
McPherson.....	259	24	9.3	109	42.2	125	48.4	1
Meade.....	52	8	16.0	20	40.0	22	44.0	2
Miami.....	370	55	15.1	117	32.1	193	52.9	5
Mitchell.....	62	16	25.8	15	24.2	31	50.0	0
Montgomery.....	416	106	26.4	126	31.3	170	42.3	14
Morris.....	54	7	13.7	25	49.0	19	37.3	3
Morton.....	34	6	18.8	8	25.0	18	56.3	2
Nemaha.....	125	26	21.0	45	36.3	53	42.7	1
Neosho.....	219	61	28.4	63	29.3	91	42.3	4
Ness.....	39	9	23.1	14	35.9	16	41.0	0
Norton.....	43	8	18.6	18	41.9	17	39.5	0
Osage.....	175	28	17.2	52	31.9	83	50.9	12
Osborne.....	45	8	17.8	17	37.8	20	44.4	0
Ottawa.....	73	10	13.7	28	38.4	35	47.9	0
Pawnee.....	77	14	19.2	20	27.4	39	53.4	4
Phillips.....	53	14	26.4	16	30.2	23	43.4	0
Pottawatomie.....	369	61	16.9	133	36.9	166	46.1	9
Pratt.....	113	26	23.0	37	32.7	50	44.2	0
Rawlins.....	23	6	30.0	6	30.0	8	40.0	3
Reno.....	736	144	20.0	237	32.9	340	47.2	15
Republic.....	34	6	17.6	12	35.3	16	47.1	0
Rice.....	121	24	20.0	34	28.3	62	51.7	1
Riley.....	1,093	189	17.4	343	31.6	553	51.0	8
Rooks.....	66	18	27.3	23	34.8	25	37.9	0
Rush.....	30	5	16.7	8	26.7	17	56.7	0
Russell.....	87	15	17.4	28	32.6	43	50.0	1
Saline.....	783	133	17.0	265	33.9	383	49.0	2
Scott.....	43	8	18.6	16	37.2	19	44.2	0
Sedgwick.....	7,825	1,343	17.6	2,434	31.9	3,851	50.5	197
Seward.....	457	86	20.7	134	32.2	196	47.1	41
Shawnee.....	2,434	454	20.1	683	30.2	1,123	49.7	174
Sheridan.....	20	6	31.6	6	31.6	7	36.8	1
Sherman.....	77	15	19.7	27	35.5	34	44.7	1
Smith.....	29	8	27.6	7	24.1	14	48.3	0
Stafford.....	41	6	15.0	13	32.5	21	52.5	1
Stanton.....	30	4	16.0	11	44.0	10	40.0	5
Stevens.....	82	15	20.0	25	33.3	35	46.7	7
Sumner.....	302	69	23.4	87	29.5	139	47.1	7
Thomas.....	111	20	18.2	38	34.5	52	47.3	1
Trego.....	27	8	29.6	8	29.6	11	40.7	0
Wabaunsee.....	77	11	14.9	26	35.1	37	50.0	3
Wallace.....	12	4	33.3	4	33.3	4	33.3	0
Washington.....	57	7	12.3	24	42.1	26	45.6	0
Wichita.....	35	14	41.2	9	26.5	11	32.4	1
Wilson.....	126	27	22.0	41	33.3	55	44.7	3
Woodson.....	43	10	23.3	17	39.5	16	37.2	0
Wyandotte.....	2,672	534	20.4	765	29.2	1,320	50.4	53

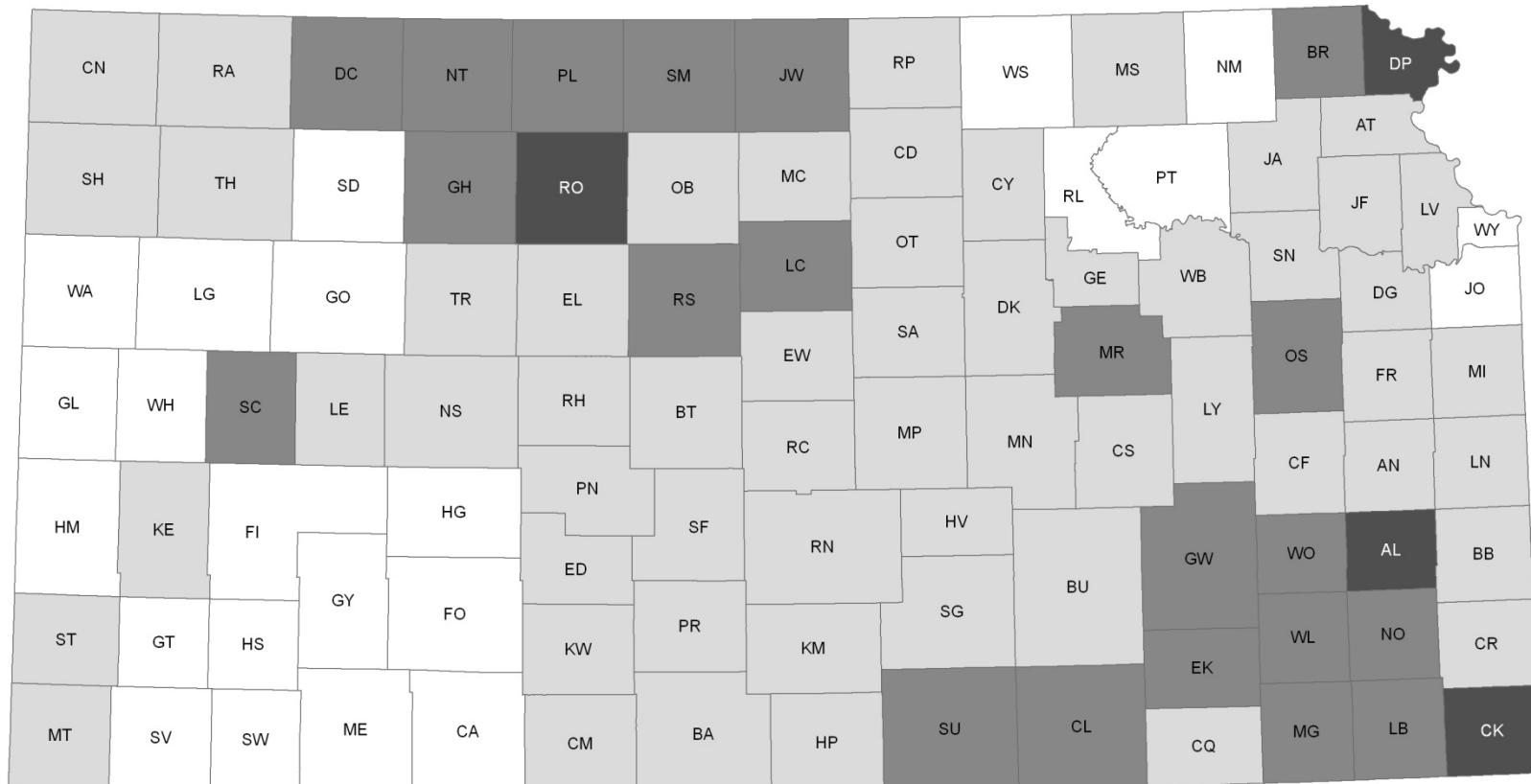
\* See Technical Notes

<sup>T</sup> includes births where height, prepregnancy weight or weight at delivery are unknown

Table 24  
 Live Births by Age-Group of Mother by Birth Weight in Grams  
 Kansas, 2010

Age-Group of Mother	Total	Birth Weight in Grams												
		Under 500	500 - 999	1,000 - 1,499	1,500 - 1,999	2,000 - 2,499	2,500 - 2,999	3,000 - 3,499	3,500 - 3,999	4,000 - 4,499	4,500 - 4,999	5,000 & Over	N.S.	
Total.....	40,439	69	150	272	556	1,820	7,094	15,821	11,235	3,005	360	47	10	
10-14.....	36	0	0	0	1	3	5	18	8	1	0	0	0	
15-19.....	3,843	8	23	32	63	186	840	1,603	889	173	24	2	0	
20-24.....	10,778	14	37	84	150	503	2,199	4,446	2,641	640	53	11	0	
25-29.....	12,529	21	40	64	153	555	2,017	4,919	3,648	993	99	15	5	
30-34.....	8,857	17	32	62	103	352	1,382	3,280	2,713	794	109	12	1	
35-39.....	3,580	8	15	24	65	166	529	1,290	1,084	326	65	7	1	
40-44.....	754	1	2	4	19	42	111	252	240	73	9	0	1	
45 & Over.....	55	0	1	2	2	12	11	11	11	4	1	0	0	
N.S.....	7	0	0	0	0	1	0	2	1	1	0	0	2	

# **Maternal Tobacco Use By County of Residence**



## Maternal Tobacco Use Per 100 Live Births

## Legend

State Rate: 15.0



Figure 14

# Live Births by Birth Order

Kansas, 2010

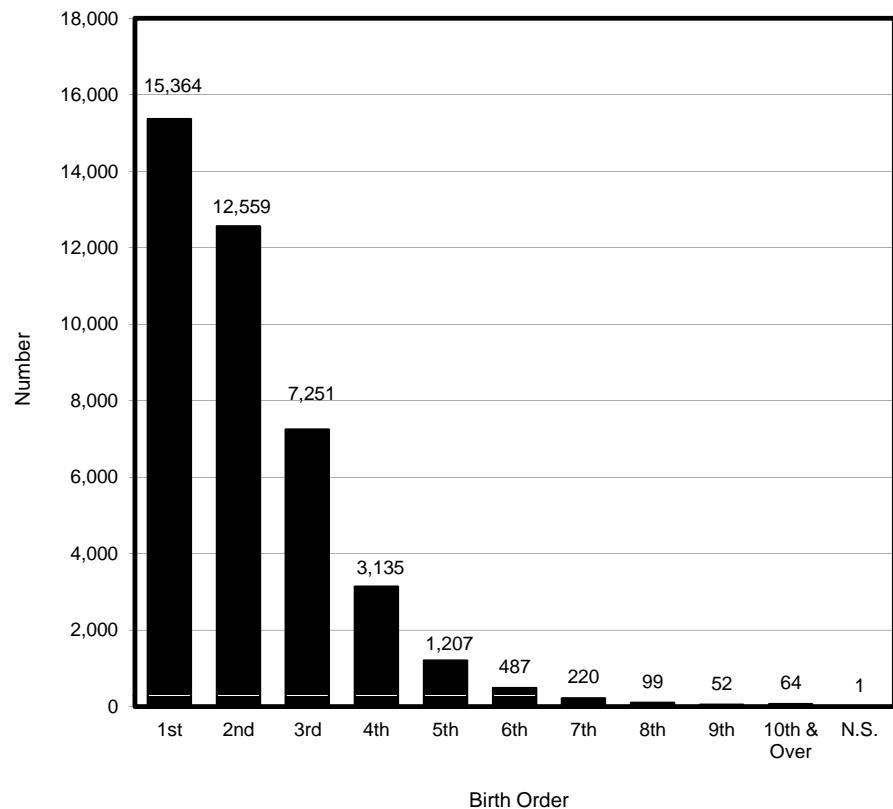


Figure 15

Table 25  
Live Births by Age-Group of Mother by Birth Order  
Kansas, 2010

Birth Order	Total	Age-Group of Mother								45 & Over	N.S.
		Under 18	10-14	15-19	20-24	25-29	30-34	35-39	40-44		
Total.....	40,439	1,142	36	3,843	10,778	12,529	8,857	3,580	754	55	7
First.....	15,364	1,045	36	3,114	5,142	4,423	1,936	575	124	10	4
Second.....	12,559	89	0	617	3,609	4,185	2,958	1,013	162	14	1
Third.....	7,251	8	0	101	1,481	2,433	2,165	914	147	9	1
Fourth.....	3,135	0	0	8	411	974	1,057	555	124	5	1
Fifth.....	1,207	0	0	2	103	352	409	263	75	3	0
Sixth.....	487	0	0	0	27	113	183	120	40	4	0
Seventh.....	220	0	0	1	4	34	85	61	33	2	0
Eighth.....	99	0	0	0	0	11	30	38	18	2	0
Ninth.....	52	0	0	0	0	4	22	14	10	2	0
Tenth & Over..	64	0	0	0	0	0	12	27	21	4	0
N.S.....	1	0	0	0	1	0	0	0	0	0	0

Table 26  
 Live Births by Trimester Prenatal Care Began  
 By Population Group  
 Kansas, 2010

Population Group	Total	Trimester Care Began								
		1ST		2ND		3RD		NONE		N.S.
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Kansas.....	40,439	29,552	75.1	7,875	20.0	1,530	3.9	405	1.0	1,077
White Non-Hispanic.....	29,000	22,810	79.9	4,767	16.7	794	2.8	171	0.6	458
Black Non-Hispanic.....	2,780	1,610	62.2	748	28.9	160	6.2	72	2.8	190
Native American Non-Hispanic.....	202	131	66.5	52	26.4	12	6.1	2	1.0	5
Asian/Pacific Islander Non-Hispanic....	1,147	856	76.6	201	18.0	47	4.2	14	1.3	29
Other Non-Hispanic.....	864	582	71.0	189	23.0	42	5.1	7	0.9	44
Hispanic.....	6,407	3,540	58.4	1,908	31.5	474	7.8	135	2.2	350
N.S. .....	39	23	60.5	10	26.3	1	2.6	4	10.5	1

Table 27  
Live Births by Population Group of Mother by Birth Weight in Grams  
Kansas, 2010

Age-Group of Mother	Total	Birth Weight in Grams												
		Under 500	500 - 999	1,000 - 1,499	1,500 - 1,999	2,000 - 2,499	2,500 - 2,999	3,000 - 3,499	3,500 - 3,999	4,000 - 4,499	4,500 - 4,999	5,000 & Over	N.S.	
Total.....	40,439	69	150	272	556	1,820	7,094	15,821	11,235	3,005	360	47	10	
White Non-Hispanic.....	29,000	46	89	173	379	1,211	4,828	11,221	8,369	2,378	272	28	6	
Black Non-Hispanic.....	2,780	12	29	33	59	241	675	1,116	492	105	16	1	1	
Native American Non-Hispanic.....	202	0	1	3	2	10	34	73	57	19	2	1	0	
Asian/Pacific Islander Non-Hispanic....	1,147	1	3	12	21	65	306	467	236	29	6	1	0	
Other/Multi-Race Non-Hispanic.....	864	1	2	9	15	42	175	332	227	58	3	0	0	
Hispanic.....	6,407	9	25	42	80	250	1,068	2,602	1,841	412	61	16	1	
N.S.....	39	0	1	0	0	1	8	10	13	4	0	0	2	

Table 28  
 Live Births by Population Group of Mother by Final Route of Delivery  
 Kansas, 2010

Age-Group of Mother	Total	Final Route of Delivery									
		Vaginal, Spontaneous	Vaginal, Forceps	Vaginal, Vacuum	Percent Vaginal	Cesarean, Trial of Labor	Cesarean, no Trial of Labor	Cesarean, Trial N.S.	Percent Cesarean	Percent Cesarean w/ Trial	N.S.
Total.....	40,439	26,403	494	1,190	69.5	4,118	8,194	14	30.5	33.4	26
White Non-Hispanic.....	29,000	18,736	380	874	69.0	3,002	5,983	10	31.0	33.4	15
Black Non-Hispanic.....	2,780	1,793	23	51	67.2	329	583	0	32.8	36.1	1
Native American Non-Hispanic.....	202	132	2	4	68.7	17	45	1	31.3	27.4	1
Asian/Pacific Islander Non-Hispanic....	1,147	727	26	37	68.9	115	241	0	31.1	32.3	1
Other/Multi-Race Non-Hispanic.....	864	548	9	33	68.4	97	176	0	31.6	35.5	1
Hispanic.....	6,407	4,441	54	191	73.2	555	1,160	2	26.8	32.4	4
N.S.....	39	26	0	0	72.2	3	6	1	27.8	33.3	3

Table 29  
Live Births by Population Group  
By County of Residence  
Kansas, 2010

County of Residence	Total	Population Group						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Kansas.....	40,439	29,000	2,780	202	1,147	864	6,407	39
Allen.....	137	127	3	2	0	1	4	0
Anderson.....	106	104	0	0	0	0	1	1
Atchison.....	225	199	14	2	1	4	5	0
Barber.....	74	70	0	1	0	0	3	0
Barton.....	355	271	4	0	0	4	76	0
Bourbon.....	220	209	2	0	2	0	7	0
Brown.....	127	98	2	15	1	2	9	0
Butler.....	805	735	9	8	10	13	30	0
Chase.....	23	23	0	0	0	0	0	0
Chautauqua.....	25	22	1	0	0	0	2	0
Cherokee.....	237	209	2	3	2	16	3	2
Cheyenne.....	25	22	0	0	0	0	3	0
Clark.....	27	24	0	0	1	0	2	0
Clay.....	107	99	0	0	0	2	6	0
Cloud.....	130	118	2	0	2	2	6	0
Coffey.....	106	99	1	0	0	3	2	1
Comanche.....	20	19	0	0	0	0	1	0
Cowley.....	487	369	4	8	3	16	87	0
Crawford.....	478	427	7	0	2	9	29	4
Decatur.....	26	25	1	0	0	0	0	0
Dickinson.....	284	261	0	3	1	6	12	1
Doniphan.....	99	92	0	3	0	3	1	0
Douglas.....	1,263	1,010	46	27	50	42	85	3
Edwards.....	40	29	0	0	0	0	11	0
Elk.....	35	32	0	1	0	0	2	0
Ellis.....	375	332	3	2	4	6	28	0
Ellsworth.....	56	56	0	0	0	0	0	0
Finney.....	765	257	11	1	26	9	461	0
Ford.....	677	216	10	1	1	1	448	0
Franklin.....	337	323	0	2	3	2	7	0
Geary.....	1,051	691	151	5	25	41	138	0
Gove.....	29	28	0	0	0	0	1	0
Graham.....	31	27	0	0	0	1	3	0
Grant.....	128	59	0	0	0	1	68	0
Gray.....	94	82	0	0	0	0	12	0
Greeley.....	12	9	0	0	0	0	3	0
Greenwood.....	58	53	1	0	0	1	3	0
Hamilton.....	57	24	1	0	0	1	31	0
Harper.....	72	67	0	0	0	0	5	0
Harvey.....	463	370	5	2	6	11	68	1
Haskell.....	61	43	0	0	0	0	18	0
Hodgeman.....	22	20	0	0	1	0	1	0
Jackson.....	165	136	2	13	0	4	10	0
Jefferson.....	199	184	0	0	1	6	8	0
Jewell.....	25	22	0	1	0	0	2	0
Johnson.....	7,390	5,707	378	4	419	146	728	8
Kearny.....	65	42	0	0	0	2	21	0
Kingman.....	79	76	0	0	1	0	2	0
Kiowa.....	28	25	1	0	2	0	0	0
Labette.....	277	249	12	2	0	5	9	0
Lane.....	16	15	0	0	0	0	1	0
Leavenworth.....	946	759	74	6	27	19	61	0
Lincoln.....	35	34	0	0	0	0	1	0
Linn.....	92	91	0	0	1	0	0	0
Logan.....	36	34	0	0	0	1	1	0

Table 29  
 Live Births by Population Group  
 By County of Residence  
 Kansas, 2010

County of Residence	Total	Population Group						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Lyon.....	426	282	13	1	7	12	109	2
Marion.....	126	117	1	0	0	0	8	0
Marshall.....	111	105	0	1	1	1	3	0
McPherson.....	300	263	2	2	4	6	23	0
Meade.....	52	38	0	0	1	0	13	0
Miami.....	384	366	3	0	2	3	10	0
Mitchell.....	66	62	0	0	0	0	4	0
Montgomery.....	426	321	33	9	5	19	38	1
Morris.....	54	48	1	0	1	0	4	0
Morton.....	34	28	0	0	0	0	6	0
Nemaha.....	131	130	0	0	0	1	0	0
Neosho.....	226	209	1	1	2	1	12	0
Ness.....	39	29	0	0	0	1	9	0
Norton.....	47	45	0	0	1	0	1	0
Osage.....	185	172	1	1	0	3	7	1
Osborne.....	47	46	0	0	0	0	1	0
Ottawa.....	80	76	0	0	0	0	4	0
Pawnee.....	77	67	1	1	0	1	7	0
Phillips.....	57	52	0	0	0	1	3	1
Pottawatomie.....	382	336	2	0	5	9	28	2
Pratt.....	113	99	0	2	0	2	10	0
Rawlins.....	23	21	0	0	0	0	2	0
Reno.....	762	639	10	2	6	14	91	0
Republic.....	35	33	0	0	1	0	1	0
Rice.....	129	100	2	0	3	0	24	0
Riley.....	1,118	813	86	2	46	43	125	3
Rooks.....	66	63	0	0	1	0	2	0
Rush.....	30	29	0	0	0	1	0	0
Russell.....	93	86	2	0	0	2	3	0
Saline.....	805	602	26	4	16	22	135	0
Scott.....	43	31	0	0	0	0	12	0
Sedgwick.....	8,058	5,130	941	21	314	164	1,488	0
Seward.....	468	107	7	1	4	4	344	1
Shawnee.....	2,496	1,696	212	33	44	97	408	6
Sheridan.....	20	19	0	1	0	0	0	0
Sherman.....	83	62	0	0	1	1	19	0
Smith.....	31	30	0	0	0	0	0	1
Stafford.....	41	34	1	0	0	0	6	0
Stanton.....	30	17	0	0	0	0	13	0
Stevens.....	83	36	0	1	1	2	43	0
Sumner.....	312	286	4	1	1	1	19	0
Thomas.....	115	106	1	0	2	1	5	0
Trego.....	27	26	0	0	0	0	1	0
Wabaunsee.....	77	69	0	0	0	3	5	0
Wallace.....	12	12	0	0	0	0	0	0
Washington.....	57	56	0	0	0	0	1	0
Wichita.....	35	26	0	0	0	0	9	0
Wilson.....	128	125	1	0	1	0	1	0
Woodson.....	43	41	0	1	0	0	1	0
Wyandotte.....	2,754	1,090	682	5	85	69	823	0

\*Includes selection of two or more races and other non-specified race

Table 30  
 Out-of-Wedlock Births by Age-Group and Population Group of Mother  
 By County of Residence  
 Kansas, 2010

County of Residence	Total	Age-Group of Mother										Population Group					
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.	White Non-Hisp.	Black Non-Hisp.	Nat. Am. Non-Hisp.	Asian/PI Non-Hisp.	Other Non-Hisp.*	Hisp. Any Race	N.S.
Kansas.....	15,241	36	3,356	6,127	3,388	1,558	633	131	11	1	9,010	2,000	136	173	400	3,514	8
Allen.....	69	0	20	28	17	2	2	0	0	0	63	3	1	0	0	2	0
Anderson.....	37	0	11	16	3	5	2	0	0	0	36	0	0	0	0	0	1
Atchison.....	90	0	24	38	17	7	4	0	0	0	69	12	2	0	3	4	0
Barber.....	33	1	6	19	3	4	0	0	0	0	32	0	0	0	0	1	0
Barton.....	169	0	41	80	28	14	4	2	0	0	125	3	0	0	2	39	0
Bourbon.....	95	0	25	40	19	9	2	0	0	0	90	2	0	1	0	2	0
Brown.....	62	1	15	21	17	6	2	0	0	0	37	2	14	0	2	7	0
Butler.....	292	0	69	137	50	20	12	4	0	0	260	3	3	4	5	17	0
Chase.....	7	0	3	2	1	1	0	0	0	0	7	0	0	0	0	0	0
Chautauqua.....	13	0	0	5	7	0	1	0	0	0	11	1	0	0	0	1	0
Cherokee.....	121	1	32	48	24	11	4	1	0	0	110	0	2	1	5	2	1
Cheyenne.....	8	0	0	7	1	0	0	0	0	0	7	0	0	0	0	1	0
Clark.....	7	0	1	1	3	2	0	0	0	0	5	0	0	0	0	2	0
Clay.....	38	2	10	19	6	1	0	0	0	0	36	0	0	0	0	2	0
Cloud.....	59	0	18	29	6	3	3	0	0	0	53	1	0	0	0	2	3
Coffey.....	35	0	6	16	8	5	0	0	0	0	32	1	0	0	2	0	0
Comanche.....	12	0	2	6	4	0	0	0	0	0	11	0	0	0	0	1	0
Cowley.....	243	2	62	99	52	20	8	0	0	0	157	4	4	0	11	67	0
Crawford.....	213	0	40	93	58	17	4	1	0	0	192	5	0	1	0	15	0
Decatur.....	6	0	0	4	1	1	0	0	0	0	5	1	0	0	0	0	0
Dickinson.....	84	0	16	41	20	6	1	0	0	0	75	0	1	0	2	6	0
Doniphan.....	39	0	6	17	11	5	0	0	0	0	34	0	2	0	2	1	0
Douglas.....	395	0	61	156	105	48	24	1	0	0	287	28	14	6	19	41	0
Edwards.....	17	1	4	3	7	1	1	0	0	0	10	0	0	0	0	7	0
Elk.....	13	0	2	5	4	0	2	0	0	0	10	0	1	0	0	2	0
Ellis.....	133	1	34	53	24	13	8	0	0	0	109	2	1	0	4	17	0
Ellsworth.....	21	0	2	12	3	2	2	0	0	0	21	0	0	0	0	0	0
Finney.....	373	1	99	125	91	40	11	6	0	0	90	6	1	5	4	267	0
Ford.....	351	1	74	143	65	35	29	3	0	1	100	5	0	0	0	246	0
Franklin.....	119	1	29	49	27	7	4	2	0	0	109	0	2	1	2	5	0
Geary.....	214	0	29	106	51	20	4	4	0	0	113	59	2	6	12	22	0
Gove.....	6	0	0	3	3	0	0	0	0	0	6	0	0	0	0	0	0
Graham.....	6	0	4	2	0	0	0	0	0	0	4	0	0	0	1	1	0
Grant.....	55	0	18	19	11	4	2	1	0	0	17	0	0	0	1	37	0
Gray.....	14	0	1	9	2	0	2	0	0	0	10	0	0	0	0	4	0
Greeley.....	4	0	0	3	1	0	0	0	0	0	4	0	0	0	0	0	0
Greenwood.....	33	0	10	12	5	4	2	0	0	0	31	1	0	0	0	1	0
Hamilton.....	24	0	6	10	1	5	2	0	0	0	7	1	0	0	0	16	0
Harper.....	26	0	5	11	6	3	1	0	0	0	23	0	0	0	0	3	0
Harvey.....	172	0	43	69	37	18	5	0	0	0	122	5	1	0	7	37	0
Haskell.....	18	0	6	4	3	3	1	1	0	0	6	0	0	0	0	12	0
Hodgeman.....	7	0	1	4	2	0	0	0	0	0	6	0	0	0	0	1	0
Jackson.....	60	0	14	17	18	11	0	0	0	0	40	1	11	0	1	7	0
Jefferson.....	57	0	5	28	11	7	6	0	0	0	50	0	0	0	2	5	0
Jewell.....	6	0	0	3	1	2	0	0	0	0	6	0	0	0	0	0	0
Johnson.....	1,590	1	243	552	428	218	115	31	2	0	956	200	3	23	46	361	1
Kearny.....	27	1	7	14	5	0	0	0	0	0	13	0	0	1	0	13	0
Kingman.....	28	0	8	11	8	0	1	0	0	0	26	0	0	1	0	1	0
Kiowa.....	5	0	0	4	1	0	0	0	0	0	4	1	0	0	0	0	0
Labette.....	151	0	50	63	27	9	2	0	0	0	129	9	2	0	4	7	0
Lane.....	2	0	0	1	1	0	0	0	0	0	2	0	0	0	0	0	0
Leavenworth.....	289	1	55	134	60	24	12	3	0	0	207	44	4	2	10	22	0
Lincoln.....	12	0	2	4	3	1	0	2	0	0	11	0	0	0	0	1	0
Linn.....	34	0	10	16	4	4	0	0	0	0	34	0	0	0	0	0	0
Logan.....	8	0	1	4	3	0	0	0	0	0	8	0	0	0	0	0	0

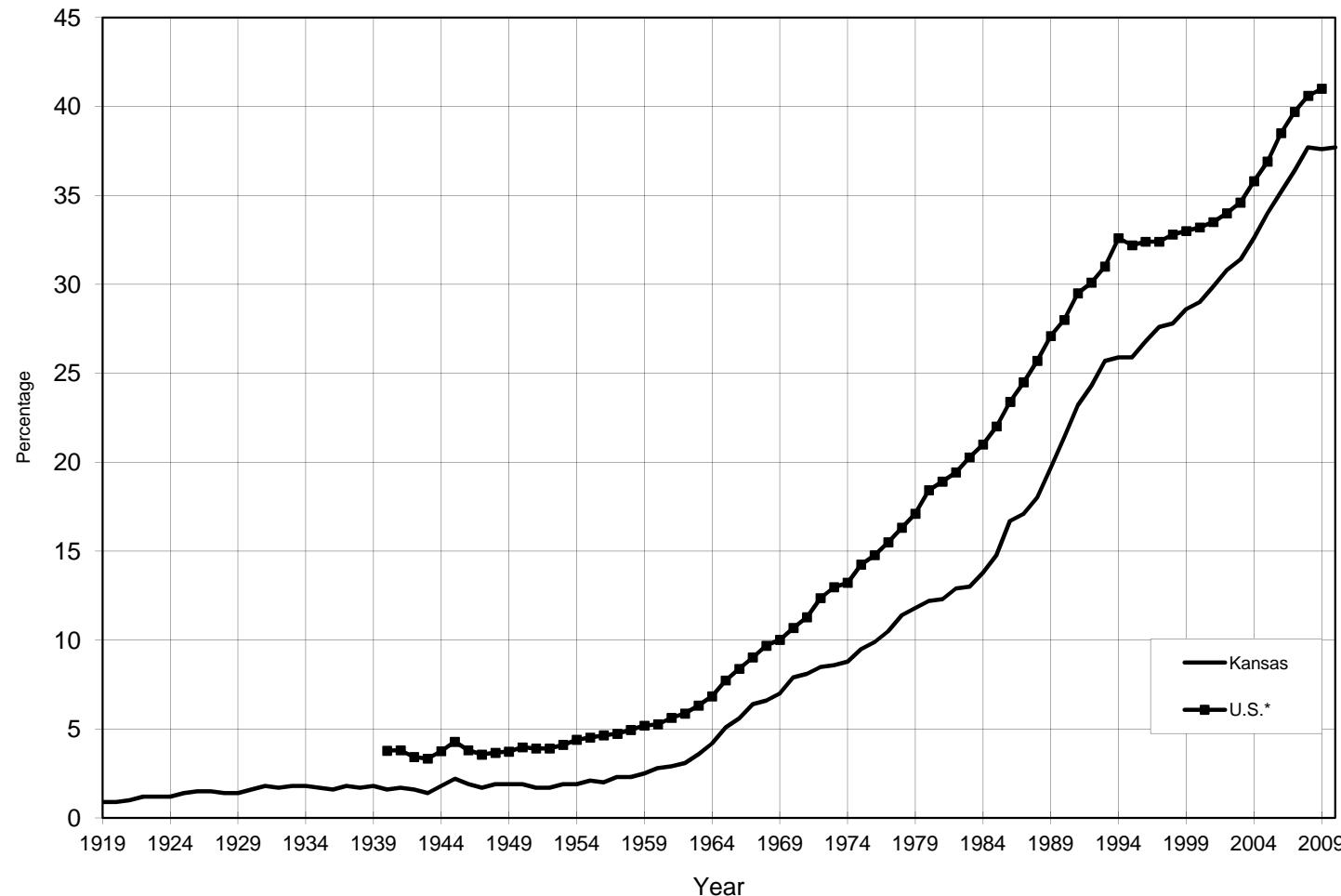
Table 30  
Out-of-Wedlock Births by Age-Group and Population Group of Mother  
By County of Residence  
Kansas, 2010

County of Residence	Total	Age-Group of Mother									Population Group						
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.	White Non-Hisp.	Black Non-Hisp.	Nat. Am. Non-Hisp.	Asian/PI Non-Hisp.	Other Non-Hisp.*	Hisp. Any Race	N.S.
Lyon.....	173	1	49	83	27	8	3	1	0	93	9	1	3	6	60	1	
Marion.....	32	0	10	12	6	4	0	0	0	29	0	0	0	0	3	0	
Marshall.....	32	0	6	17	7	2	0	0	0	29	0	1	0	0	2	0	
McPherson.....	84	1	21	34	12	10	4	2	0	0	71	1	1	1	3	7	0
Meade.....	16	0	5	5	4	1	1	0	0	9	0	0	0	0	0	7	0
Miami.....	107	1	25	46	24	7	3	0	1	0	98	1	0	1	1	6	0
Mitchell.....	18	0	3	8	4	1	1	1	0	0	14	0	0	0	0	4	0
Montgomery.....	210	0	57	91	40	13	6	2	1	0	146	26	4	2	10	22	0
Morris.....	20	0	7	9	3	1	0	0	0	0	18	0	0	0	0	2	0
Morton.....	17	0	6	6	3	2	0	0	0	0	12	0	0	0	0	5	0
Nemaha.....	23	0	5	8	7	1	2	0	0	0	23	0	0	0	0	0	0
Neosho.....	99	0	26	39	19	11	3	1	0	0	88	1	1	1	1	7	0
Ness.....	17	0	4	6	6	1	0	0	0	0	11	0	0	0	0	6	0
Norton.....	16	0	2	6	3	4	1	0	0	0	16	0	0	0	0	0	0
Osage.....	72	0	16	32	11	8	3	2	0	0	68	0	0	0	1	3	0
Osborne.....	11	0	3	4	4	0	0	0	0	0	10	0	0	0	0	1	0
Ottawa.....	29	0	7	11	8	2	1	0	0	0	28	0	0	0	0	1	0
Pawnee.....	27	0	6	11	4	3	3	0	0	0	21	0	1	0	0	5	0
Phillips.....	24	0	2	16	4	2	0	0	0	0	21	0	0	0	1	2	0
Pottawatomie.....	71	0	13	33	13	11	0	1	0	0	58	1	0	0	4	8	0
Pratt.....	34	0	7	17	6	2	1	1	0	0	28	0	1	0	1	4	0
Rawlins.....	5	0	0	2	1	1	1	0	0	0	5	0	0	0	0	0	0
Reno.....	304	0	79	130	68	18	7	2	0	0	229	8	1	3	11	52	0
Republic.....	9	0	4	2	2	0	0	1	0	0	9	0	0	0	0	0	0
Rice.....	45	0	10	22	10	3	0	0	0	0	37	1	0	1	0	6	0
Riley.....	192	1	32	89	45	16	6	0	3	0	113	33	0	1	10	35	0
Rooks.....	35	0	5	21	6	3	0	0	0	0	34	0	0	0	0	1	0
Rush.....	11	0	4	4	3	0	0	0	0	0	11	0	0	0	0	0	0
Russell.....	35	0	9	16	3	5	2	0	0	0	31	1	0	0	2	1	0
Saline.....	386	0	96	167	81	28	10	4	0	0	275	21	3	8	16	63	0
Scott.....	17	0	4	9	2	2	0	0	0	0	13	0	0	0	0	4	0
Sedgwick.....	3,612	4	815	1,426	818	395	131	22	1	0	1836	750	14	71	96	845	0
Seward.....	262	1	60	83	69	31	16	2	0	0	36	6	1	1	1	217	0
Shawnee.....	1,164	4	245	461	272	119	57	5	1	0	635	178	29	10	58	250	4
Sheridan.....	5	0	0	4	1	0	0	0	0	0	4	0	1	0	0	0	0
Sherman.....	36	0	10	15	5	6	0	0	0	0	23	0	0	1	1	11	0
Smith.....	8	0	2	3	2	1	0	0	0	0	8	0	0	0	0	0	0
Stafford.....	22	0	8	10	3	1	0	0	0	0	18	1	0	0	0	3	0
Stanton.....	14	0	4	4	4	1	0	1	0	0	6	0	0	0	0	8	0
Stevens.....	36	0	8	17	7	2	2	0	0	0	11	0	1	0	1	23	0
Sumner.....	127	0	35	51	21	13	5	2	0	0	110	3	0	0	1	13	0
Thomas.....	39	0	5	27	5	2	0	0	0	0	35	1	0	0	0	3	0
Trego.....	5	0	1	0	2	2	0	0	0	0	4	0	0	0	0	1	0
Wabaunsee.....	16	0	1	9	3	2	0	1	0	0	14	0	0	0	2	0	0
Wallace.....	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Washington.....	6	0	0	3	2	0	1	0	0	0	6	0	0	0	0	0	0
Wichita.....	10	0	4	1	5	0	0	0	0	0	5	0	0	0	0	5	0
Wilson.....	54	1	16	18	15	3	1	0	0	0	53	0	0	0	0	1	0
Woodson.....	25	0	6	14	2	2	0	0	1	0	23	0	1	0	0	1	0
Wyandotte.....	1,626	7	382	610	342	190	77	18	0	0	516	558	4	18	23	507	0

\* Includes selection of two or more races and other non-specified race

# Out-of-Wedlock Birth Percentage Comparison

Kansas and the U.S., 1919-2010



\*1919-1939, 2010 not available, 2009 percent provisional  
Percentage of all births to unmarried women

Figure 16

## Teen and Non-Teen Live Births: Percent Distribution

By Month Prenatal Care Began, Kansas, 2010

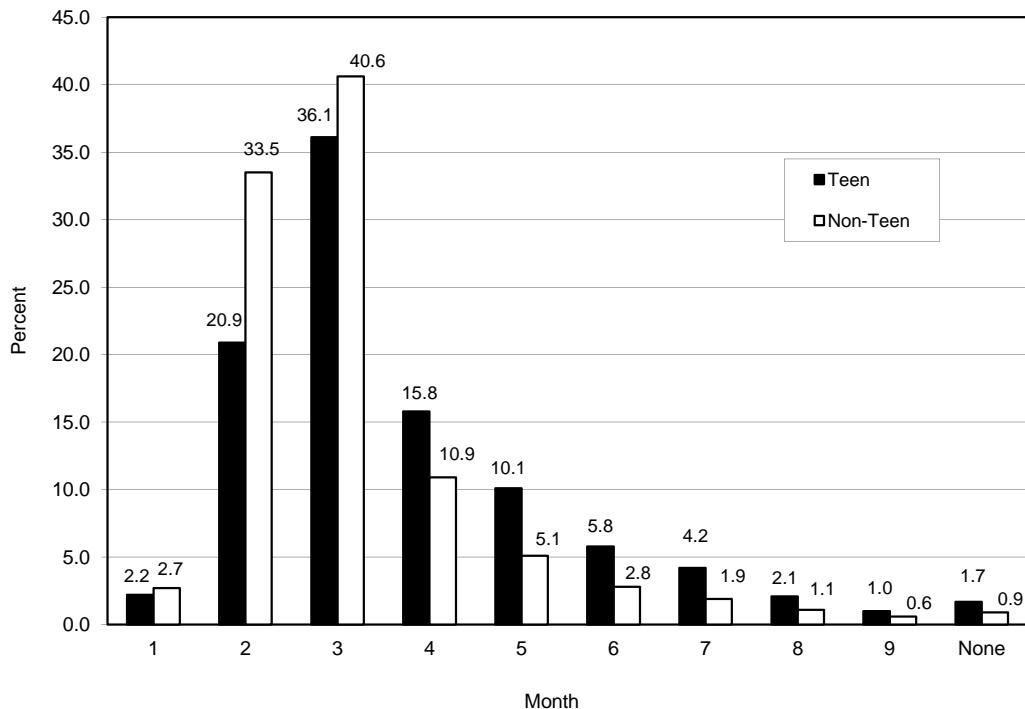


Figure 17

## Teenage Live Births by Population Group Kansas, 2010

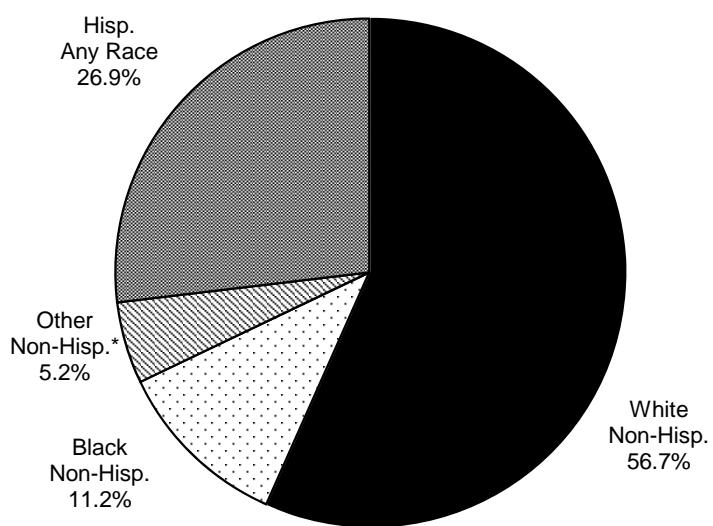
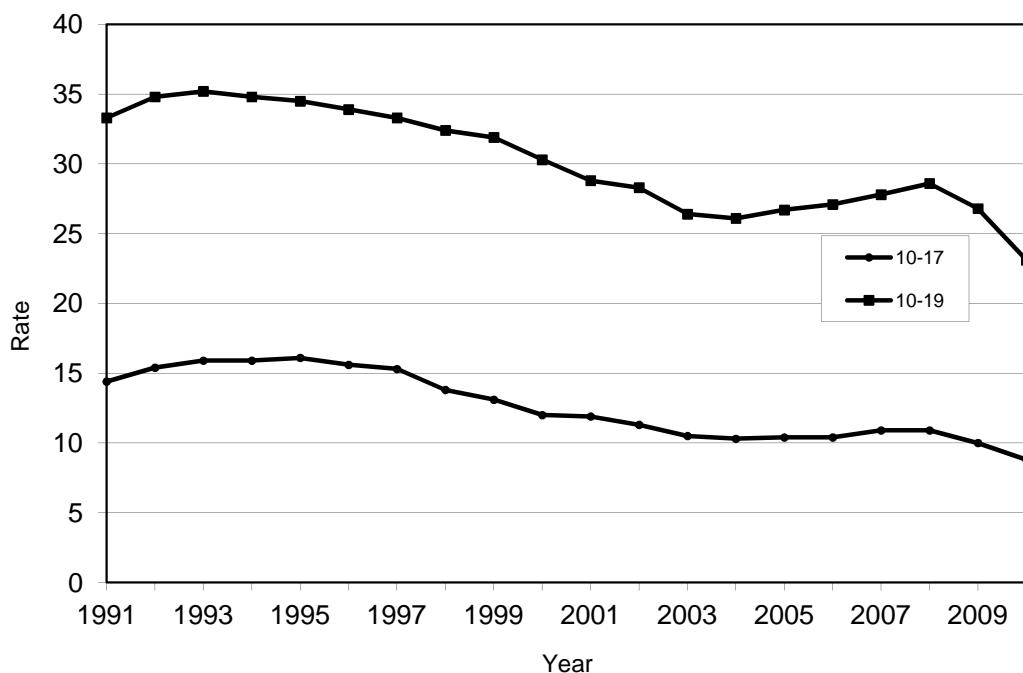


Figure 18

\*Includes selection of two or more races  
or other race

# Teenage Pregnancy Rates\*

By Age-Group, Kansas 1991-2010



\*Rate per 1,000 Female  
Age-Group Population

Figure 19

Table 31  
Teenage Pregnancies by Number and Rate\*  
For Mothers Under 20  
Kansas, 1991-2010

Year	Teen (10-19) Pregnancies	Age-Group				Teen (10-19) Pregnancy Rate	Pregnancy Rate			
		10-14	15-17	18-19	15-19		10-14	15-17	10-17	15-19
1991	5,743	98	1,904	3,741	5,645	33.3	1.1	39.0	14.4	69.0
1992	6,165	111	2,110	3,944	6,054	34.8	1.2	41.4	15.4	72.6
1993	6,405	133	2,219	4,053	6,272	35.2	1.4	42.4	15.9	73.3
1994	6,500	124	2,302	4,074	6,376	34.8	1.3	42.4	15.9	71.9
1995	6,552	153	2,332	4,067	6,399	34.5	1.6	41.3	16.1	69.5
1996	6,498	133	2,276	4,089	6,365	33.9	1.4	38.9	15.6	67.0
1997	6,469	123	2,260	4,086	6,346	33.3	1.3	37.4	15.3	64.7
1998	6,444	108	2,087	4,249	6,336	32.4	1.1	34.1	13.8	62.0
1999	6,402	103	1,979	4,320	6,299	31.9	1.1	32.4	13.1	60.7
2000	6,090	94	1,819	4,177	5,996	30.3	0.9	30.1	12.0	58.7
2001	5,818	79	1,819	3,920	5,739	28.8	0.8	30.2	11.9	56.0
2002	5,586	86	1,684	3,816	5,500	28.3	0.9	28.3	11.3	54.7
2003	5,174	73	1,559	3,542	5,101	26.4	0.8	26.6	10.5	51.3
2004	5,026	71	1,492	3,463	4,955	26.1	0.8	25.8	10.3	50.3
2005	5,044	69	1,483	3,492	4,975	26.7	0.8	25.7	10.4	50.8
2006	5,192	85	1,507	3,600	5,107	27.1	0.9	25.5	10.4	52.2
2007	5,268	70	1,573	3,625	5,198	27.8	0.8	26.8	10.9	53.2
2008	5,371	66	1,552	3,753	5,305	28.6	0.7	27.1	10.9	55.0
2009	5,036	56	1,417	3,563	4,980	26.8	0.6	25.2	10.0	51.6
2010	4,501	59	1,298	3,144	4,442	23.1	0.6	22.4	8.8	45.1

\*Rate per 1,000 female age-group population; 2010 rates use actual 2010 Census populations.

Teenage pregnancies is the sum of live births, reported abortions and stillbirths

**Table 32**  
**Teenage Pregnancies by Number and Rate\***  
**By Selected Population Group<sup>†</sup>**  
**For Mothers Under 20**  
**Kansas, 2006-2010**

Year	White Non-Hispanic								Black Non-Hispanic								Hispanic Any Race							
	10-14		10-17		15-19		10-19		10-14		10-17		15-19		10-19		10-14		10-17		15-19		10-19	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
2006	34	0.5	866	7.3	3,065	39.4	3,099	20.7	20	2.7	236	19.5	673	90.0	693	46.4	30	2.7	407	23.5	1,124	118.6	1,154	55.5
2007	20	0.3	840	7.3	3,113	40.4	3,133	21.4	16	2.1	205	16.6	642	83.0	658	43.1	29	2.5	504	28.5	1,186	121.1	1,215	57.2
2008	27	0.4	842	7.4	3,144	41.6	3,171	21.9	15	2.0	239	19.6	681	87.3	696	45.5	17	1.4	460	25.4	1,210	121.1	1,227	56.3
2009	19	0.3	776	6.9	2,927	39.1	2,946	20.6	15	2.0	175	14.3	627	80.9	642	41.9	21	1.7	437	23.3	1,160	108.5	1,181	51.5
2010	17	0.3	661	6.0	2,539	35.4	2,556	18.3	10	1.6	185	18.4	532	79.2	542	42.1	22	1.5	416	18.2	1,114	85.5	1,136	40.6

\*Rate per 1,000 female race/Hispanic age-group population; 2010 uses actual Census populations, not annual estimates for July 1.

<sup>†</sup>This table includes mutually exclusive race/ethnicity groups and is not comparable to tables in Annual Summaries prior to 2006.

See Technical Notes.

Table 33  
 Teenage Pregnancies by Age-Group\* and Component  
 By County of Residence and by Peer Group†  
 Kansas, 2010

**ERRATA see Page 198**

County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies			Teenage <sup>§</sup> Preg. Rates
	Age-Group		Age-Group		Age-Group		Age Group		Age-Group	
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-19	10-19
Kansas.....	36	3,843	0	23	23	576	59	4,442	4,501	23.1
Allen.....	0	23	0	0	0	2	0	25	25	27.4
Anderson.....	0	14	0	0	0	0	0	14	14	27.4
Atchison.....	0	27	0	0	0	3	0	30	30	21.9
Barber.....	1	6	0	0	0	1	1	7	8	27.6
Barton.....	0	45	0	1	0	5	0	51	51	26.8
Bourbon.....	0	27	0	0	0	0	0	27	27	25.7
Brown.....	1	15	0	0	0	3	1	18	19	30.3
Butler.....	0	73	0	1	0	12	0	86	86	16.9
Chase.....	0	3	0	0	0	0	0	3	3	18.8
Chautauqua.....	0	0	0	0	0	0	0	0	0	0.0
Cherokee.....	1	39	0	0	0	0	1	39	40	27.4
Cheyenne.....	0	0	0	0	0	0	0	0	0	0.0
Clark.....	0	1	0	0	0	0	0	1	1	7.1
Clay.....	2	11	0	0	0	3	2	14	16	31.1
Cloud.....	0	19	0	0	0	2	0	21	21	32.7
Coffey.....	0	6	0	0	0	1	0	7	7	12.0
Comanche.....	0	2	0	0	0	0	0	2	2	16.1
Cowley.....	2	73	0	0	0	1	2	74	76	29.3
Crawford.....	0	47	0	0	0	5	0	52	52	19.0
Decatur.....	0	1	0	0	0	0	0	1	1	7.4
Dickinson.....	0	23	0	0	0	4	0	27	27	21.0
Doniphan.....	0	7	0	0	0	0	0	7	7	11.7
Douglas.....	0	70	0	0	1	32	1	102	103	12.6
Edwards.....	1	4	0	0	0	0	1	4	5	24.3
Elk.....	0	2	0	0	0	1	0	3	3	19.5
Ellis.....	1	38	0	0	0	5	1	43	44	23.6
Ellsworth.....	0	2	0	0	0	1	0	3	3	10.1
Finney.....	1	114	0	1	0	4	1	119	120	38.4
Ford.....	1	88	0	1	0	5	1	94	95	37.2
Franklin.....	1	35	0	0	0	8	1	43	44	24.5
Geary.....	0	81	0	1	1	13	1	95	96	41.4
Gove.....	0	0	0	0	0	0	0	0	0	0.0
Graham.....	0	4	0	0	0	0	0	4	4	28.4
Grant.....	0	23	0	1	0	0	0	24	24	41.2
Gray.....	0	2	0	0	0	0	0	2	2	3.9
Greeley.....	0	0	0	0	0	0	0	0	0	0.0
Greenwood.....	0	10	0	0	0	1	0	11	11	27.8
Hamilton.....	0	7	0	0	0	0	0	7	7	40.0
Harper.....	0	7	0	0	0	1	0	8	8	21.7
Harvey.....	0	47	0	0	0	3	0	50	50	20.3
Haskell.....	0	8	0	0	0	0	0	8	8	21.6
Hodgeman.....	0	1	0	0	0	0	0	1	1	7.2
Jackson.....	0	19	0	0	0	3	0	22	22	24.6
Jefferson.....	0	9	0	0	0	1	0	10	10	7.6
Jewell.....	0	1	0	0	0	0	0	1	1	6.8
Johnson.....	1	265	0	2	4	129	5	396	401	11.1
Kearny.....	1	8	0	1	0	0	1	9	10	33.4
Kingman.....	0	8	0	0	0	0	0	8	8	14.5
Kiowa.....	0	0	0	0	0	0	0	0	0	0.0
Labette.....	0	57	0	0	0	5	0	62	62	43.8
Lane.....	0	0	0	0	0	0	0	0	0	0.0
Leavenworth.....	1	63	0	1	3	15	4	79	83	16.9
Lincoln.....	0	2	0	0	0	1	0	3	3	15.7
Linn.....	0	11	0	0	0	1	0	12	12	19.9
Logan.....	0	1	0	0	0	0	0	1	1	6.0

Table 33  
 Teenage Pregnancies by Age-Group\* and Component  
 By County of Residence and by Peer Group†  
 Kansas, 2010

ERRATA see Page 198

County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies			Teenage <sup>§</sup> Preg. Rates	
	Age-Group		Age-Group		Age-Group		Age Group		Age-Group		
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-19		
Lyon.....	1	57	0	0	1	12	2	69	71	29.2	
McPherson.....	1	22	0	0	0	0	1	22	23	12.1	
Marion.....	0	11	0	0	0	3	0	14	14	17.2	
Marshall.....	0	8	0	0	0	0	0	8	8	13.3	
Meade.....	0	5	0	0	0	0	0	5	5	13.6	
Miami.....	1	30	0	0	0	7	1	37	38	15.9	
Mitchell.....	0	3	0	0	0	0	0	3	3	8.0	
Montgomery.....	0	64	0	0	1	7	1	71	72	31.7	
Morris.....	0	8	0	0	0	1	0	9	9	27.0	
Morton.....	0	7	0	0	0	0	0	7	7	27.6	
Nemaha.....	0	5	0	0	0	1	0	6	6	8.7	
Neosho.....	0	32	0	0	0	3	0	35	35	30.8	
Ness.....	0	4	0	0	0	0	0	4	4	23.5	
Norton.....	0	2	0	0	0	0	0	2	2	6.8	
Osage.....	0	17	0	0	0	2	0	19	19	16.8	
Osborne.....	0	5	0	0	0	0	0	5	5	21.6	
Ottawa.....	0	7	0	0	0	1	0	8	8	20.1	
Pawnee.....	0	6	0	0	0	1	0	7	7	17.8	
Phillips.....	0	3	0	0	0	0	0	3	3	8.2	
Pottawatomie.....	0	15	0	1	0	0	0	16	16	9.9	
Pratt.....	0	9	0	0	0	1	0	10	10	15.2	
Rawlins.....	0	2	0	0	0	0	0	2	2	15.5	
Reno.....	0	87	0	1	0	7	0	95	95	22.5	
Republic.....	0	4	0	1	0	0	0	5	5	19.4	
Rice.....	0	11	0	0	1	2	1	13	14	19.9	
Riley.....	1	57	0	0	1	27	2	84	86	17.0	
Rooks.....	0	5	0	0	0	0	0	5	5	15.0	
Rush.....	0	4	0	0	0	2	0	6	6	37.0	
Russell.....	0	10	0	0	0	1	0	11	11	28.6	
Saline.....	0	104	0	2	0	13	0	119	119	32.8	
Scott.....	0	5	0	0	0	0	0	5	5	16.2	
Sedgwick.....	4	904	0	0	5	85	9	989	998	28.4	
Seward.....	1	70	0	0	0	1	1	71	72	40.4	
Shawnee.....	4	273	0	3	1	46	5	322	327	28.3	
Sheridan.....	0	0	0	0	0	0	0	0	0	0.0	
Sherman.....	0	14	0	0	0	0	0	14	14	41.1	
Smith.....	0	2	0	0	0	0	0	2	2	9.3	
Stafford.....	0	9	0	0	0	0	0	9	9	31.8	
Stanton.....	0	5	0	0	0	0	0	5	5	29.2	
Stevens.....	0	11	0	0	0	0	0	11	11	26.1	
Sumner.....	0	39	0	1	0	4	0	44	44	26.4	
Thomas.....	0	8	0	0	0	0	0	8	8	12.3	
Trego.....	0	2	0	0	0	0	0	2	2	10.6	
Wabaunsee.....	0	1	0	1	0	2	0	4	4	8.8	
Wallace.....	0	1	0	0	0	0	0	1	1	9.5	
Washington.....	0	1	0	0	0	0	0	1	1	2.9	
Wichita.....	0	4	0	0	0	0	0	4	4	29.2	
Wilson.....	1	19	0	0	0	1	1	20	21	35.3	
Woodson.....	0	7	0	0	0	2	0	9	9	52.3	
Wyandotte.....	7	415	0	3	2	67	9	485	494	44.8	
N.S.	0	0	0	0	2	6	2	6	8	n/a	
Peer Group											
Frontier .....	3	122	0	1	0	6	3	129	132	18.9	
Rural .....	5	279	0	3	1	28	6	310	316	18.9	
Densely -Settled Rural .....	8	827	0	5	1	60	9	892	901	27.5	
Semi-Urban .....	3	625	0	5	3	102	6	732	738	23.1	
Urban .....	17	1,990	0	9	16	374	33	2,373	2,406	22.5	

\* 2010 female age-group county populations are actual counts from the 2010 Census.

† See Technical Notes for Peer Group definition.

§ Rate per 1,000 female age-group population

Table 34  
Teenage Pregnancies for 10-17 Year Olds\*  
By County of Residence and by Peer Group†

Kansas, 2010

**ERRATA see Page 198**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate <sup>‡</sup>
Kansas.....	1,142	9	206	1,357	8.8
Allen.....	7	0	1	8	11.9
Anderson.....	1	0	0	1	2.3
Atchison.....	6	0	0	6	6.4
Barber.....	3	0	0	3	12.1
Barton.....	11	1	1	13	8.8
Bourbon.....	10	0	0	10	12.1
Brown.....	5	0	1	6	11.3
Butler.....	20	0	7	27	6.5
Chase.....	1	0	0	1	7.1
Chautauqua.....	0	0	0	0	0.0
Cherokee.....	10	0	0	10	8.3
Cheyenne.....	0	0	0	0	0.0
Clark.....	1	0	0	1	7.9
Clay.....	5	0	3	8	18.4
Cloud.....	7	0	1	8	17.3
Coffey.....	2	0	0	2	4.0
Comanche.....	0	0	0	0	0.0
Cowley.....	24	0	0	24	12.2
Crawford.....	8	0	2	10	5.4
Decatur.....	0	0	0	0	0.0
Dickinson.....	4	0	3	7	6.5
Doniphan.....	3	0	0	3	7.4
Douglas.....	17	0	6	23	5.2
Edwards.....	2	0	0	2	11.1
Elk.....	0	0	1	1	7.3
Ellis.....	9	0	0	9	7.7
Ellsworth.....	0	0	0	0	0.0
Finney.....	38	0	2	40	15.9
Ford.....	24	1	1	26	12.7
Franklin.....	8	0	2	10	7.1
Geary.....	18	1	4	23	13.0
Gove.....	0	0	0	0	0.0
Graham.....	0	0	0	0	0.0
Grant.....	9	0	0	9	18.6
Gray.....	0	0	0	0	0.0
Greeley.....	0	0	0	0	0.0
Greenwood.....	3	0	0	3	8.9
Hamilton.....	2	0	0	2	14.5
Harper.....	3	0	1	4	12.5
Harvey.....	12	0	1	13	6.6
Haskell.....	2	0	0	2	6.3
Hodgeman.....	0	0	0	0	0.0
Jackson.....	2	0	0	2	2.6
Jefferson.....	2	0	1	3	2.7
Jewell.....	0	0	0	0	0.0
Johnson.....	68	0	41	109	3.5
Kearny.....	3	0	0	3	12.1
Kingman.....	2	0	0	2	4.1
Kiowa.....	0	0	0	0	0.0
Labette.....	15	0	1	16	14.5
Lane.....	0	0	0	0	0.0
Leavenworth.....	20	0	9	29	7.1
Lincoln.....	0	0	1	1	6.0
Linn.....	5	0	0	5	9.9
Logan.....	1	0	0	1	7.2

Table 34  
Teenage Pregnancies for 10-17 Year Olds\*  
By County of Residence and by Peer Group†

Kansas, 2010

**ERRATA see Page 198**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate‡
Lyon.....	15	0	6	21	12.8
McPherson.....	3	0	0	3	2.0
Marion.....	1	0	1	2	3.1
Marshall.....	2	0	0	2	3.9
Meade.....	2	0	0	2	6.1
Miami.....	7	0	4	11	5.4
Mitchell.....	0	0	0	0	0.0
Montgomery.....	16	0	3	19	11.3
Morris.....	1	0	1	2	7.3
Morton.....	2	0	0	2	9.5
Nemaha.....	0	0	0	0	0.0
Neosho.....	7	0	1	8	9.0
Ness.....	0	0	0	0	0.0
Norton.....	0	0	0	0	0.0
Osage.....	3	0	0	3	3.1
Osborne.....	1	0	0	1	4.9
Ottawa.....	2	0	0	2	5.6
Pawnee.....	1	0	1	2	5.9
Phillips.....	0	0	0	0	0.0
Pottawatomie.....	5	0	0	5	3.7
Pratt.....	4	0	0	4	8.3
Rawlins.....	0	0	0	0	0.0
Reno.....	26	0	3	29	8.8
Republic.....	2	1	0	3	13.2
Rice.....	4	0	1	5	9.7
Riley.....	9	0	6	15	6.7
Rooks.....	1	0	0	1	3.7
Rush.....	1	0	1	2	15.2
Russell.....	5	0	0	5	14.7
Saline.....	27	1	5	33	11.3
Scott.....	3	0	0	3	11.3
Sedgwick.....	290	0	32	322	11.3
Seward.....	26	0	0	26	18.7
Shawnee.....	85	1	14	100	10.7
Sheridan.....	0	0	0	0	0.0
Sherman.....	4	0	0	4	14.4
Smith.....	2	0	0	2	11.1
Stafford.....	5	0	0	5	20.8
Stanton.....	3	0	0	3	21.1
Stevens.....	3	0	0	3	8.4
Sumner.....	14	0	3	17	12.0
Thomas.....	0	0	0	0	0.0
Trego.....	0	0	0	0	0.0
Wabaunsee.....	0	1	2	3	7.8
Wallace.....	0	0	0	0	0.0
Washington.....	0	0	0	0	0.0
Wichita.....	2	0	0	2	16.1
Wilson.....	6	0	1	7	13.6
Woodson.....	1	0	1	2	14.0
Wyandotte.....	158	2	27	187	20.9
N.S.	0	0	3	3	n/a
Peer Group					
Frontier .....	39	0	3	42	7.1
Rural .....	77	2	14	93	6.8
Densely -Settled Rural ..	251	2	26	279	9.5
Semi-Urban .....	151	2	37	190	8.2
Urban .....	638	3	129	770	8.9

\* The 2010 female 10-17 age-group population are the actual US 2010 Census counts.

† See Technical Notes for Peer Group definition. ‡ Rates per 1,000 female age-group population

Table 35  
 Stillbirths by Age-Group of Mother  
 By County of Residence  
 Kansas, 2010

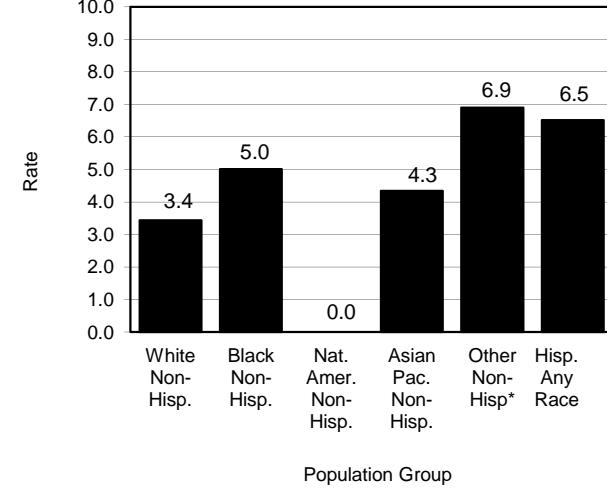
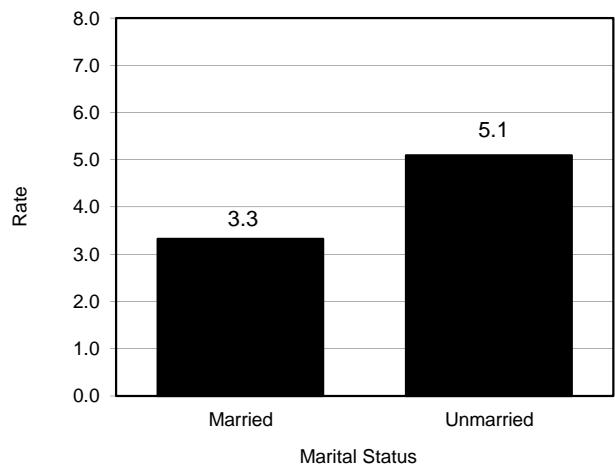
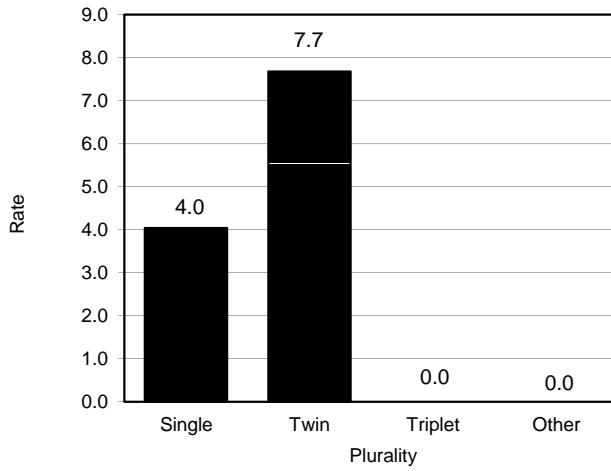
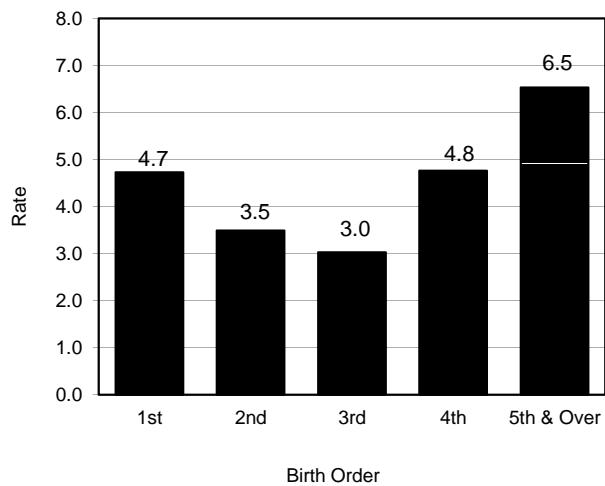
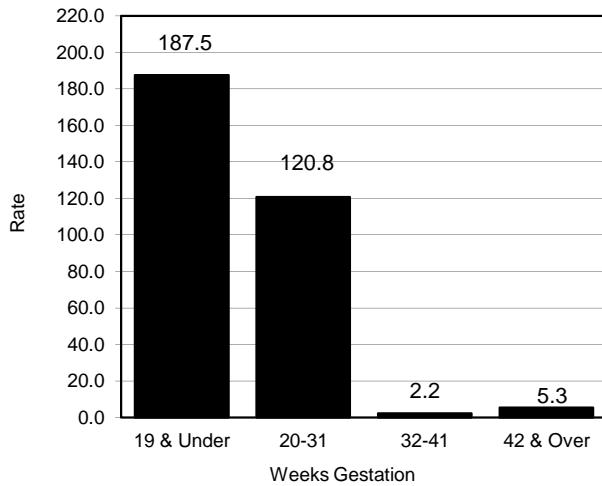
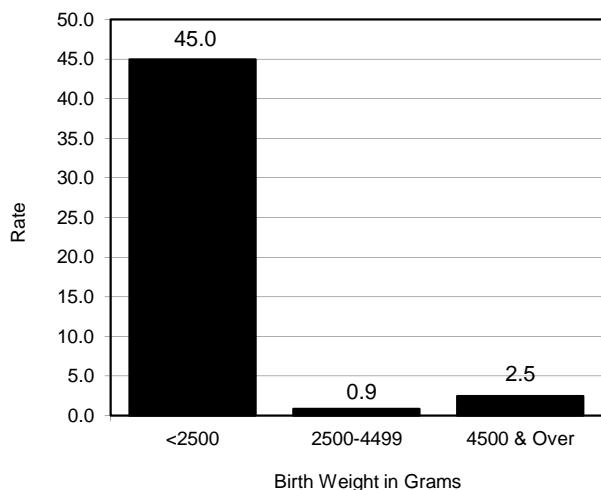
County of Residence	Total	Age-Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Kansas.....	168	0	23	35	58	28	18	6	0	0
Allen.....	0	0	0	0	0	0	0	0	0	0
Anderson.....	1	0	0	0	0	1	0	0	0	0
Atchison.....	0	0	0	0	0	0	0	0	0	0
Barber.....	1	0	0	0	1	0	0	0	0	0
Barton.....	1	0	1	0	0	0	0	0	0	0
Bourbon.....	0	0	0	0	0	0	0	0	0	0
Brown.....	1	0	0	0	1	0	0	0	0	0
Butler.....	2	0	1	0	1	0	0	0	0	0
Chase.....	0	0	0	0	0	0	0	0	0	0
Chautauqua.....	0	0	0	0	0	0	0	0	0	0
Cherokee.....	1	0	0	0	0	0	1	0	0	0
Cheyenne.....	0	0	0	0	0	0	0	0	0	0
Clark.....	0	0	0	0	0	0	0	0	0	0
Clay.....	0	0	0	0	0	0	0	0	0	0
Cloud.....	1	0	0	0	1	0	0	0	0	0
Coffey.....	1	0	0	1	0	0	0	0	0	0
Comanche.....	0	0	0	0	0	0	0	0	0	0
Cowley.....	4	0	0	2	1	0	1	0	0	0
Crawford.....	3	0	0	1	2	0	0	0	0	0
Decatur.....	0	0	0	0	0	0	0	0	0	0
Dickinson.....	4	0	0	1	3	0	0	0	0	0
Doniphan.....	1	0	0	0	1	0	0	0	0	0
Douglas.....	4	0	0	0	3	1	0	0	0	0
Edwards.....	0	0	0	0	0	0	0	0	0	0
Elk.....	0	0	0	0	0	0	0	0	0	0
Ellis.....	0	0	0	0	0	0	0	0	0	0
Ellsworth.....	0	0	0	0	0	0	0	0	0	0
Finney.....	8	0	1	1	3	1	1	1	0	0
Ford.....	4	0	1	2	0	1	0	0	0	0
Franklin.....	1	0	0	0	0	1	0	0	0	0
Geary.....	6	0	1	2	2	1	0	0	0	0
Gove.....	0	0	0	0	0	0	0	0	0	0
Graham.....	0	0	0	0	0	0	0	0	0	0
Grant.....	1	0	1	0	0	0	0	0	0	0
Gray.....	0	0	0	0	0	0	0	0	0	0
Greeley.....	0	0	0	0	0	0	0	0	0	0
Greenwood.....	0	0	0	0	0	0	0	0	0	0
Hamilton.....	0	0	0	0	0	0	0	0	0	0
Harper.....	0	0	0	0	0	0	0	0	0	0
Harvey.....	3	0	0	2	0	1	0	0	0	0
Haskell.....	1	0	0	0	1	0	0	0	0	0
Hodgeman.....	0	0	0	0	0	0	0	0	0	0
Jackson.....	2	0	0	0	0	0	2	0	0	0
Jefferson.....	0	0	0	0	0	0	0	0	0	0
Jewell.....	0	0	0	0	0	0	0	0	0	0
Johnson.....	23	0	2	1	9	8	2	1	0	0
Kearny.....	1	0	1	0	0	0	0	0	0	0
Kingman.....	0	0	0	0	0	0	0	0	0	0
Kiowa.....	0	0	0	0	0	0	0	0	0	0
Labette.....	0	0	0	0	0	0	0	0	0	0
Lane.....	0	0	0	0	0	0	0	0	0	0
Leavenworth.....	6	0	1	0	1	1	2	1	0	0
Lincoln.....	0	0	0	0	0	0	0	0	0	0
Linn.....	0	0	0	0	0	0	0	0	0	0
Logan.....	0	0	0	0	0	0	0	0	0	0

Table 35  
 Stillbirths by Age-Group of Mother  
 By County of Residence  
 Kansas, 2010

County of Residence	Total	Age-Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Lyon.....	3	0	0	1	2	0	0	0	0	0
Marion.....	1	0	0	0	0	1	0	0	0	0
Marshall.....	1	0	0	0	1	0	0	0	0	0
McPherson.....	1	0	0	0	1	0	0	0	0	0
Meade.....	0	0	0	0	0	0	0	0	0	0
Miami.....	1	0	0	0	0	1	0	0	0	0
Mitchell.....	0	0	0	0	0	0	0	0	0	0
Montgomery.....	2	0	0	2	0	0	0	0	0	0
Morris.....	0	0	0	0	0	0	0	0	0	0
Morton.....	0	0	0	0	0	0	0	0	0	0
Nemaha.....	0	0	0	0	0	0	0	0	0	0
Neosho.....	0	0	0	0	0	0	0	0	0	0
Ness.....	0	0	0	0	0	0	0	0	0	0
Norton.....	1	0	0	0	0	0	1	0	0	0
Osage.....	0	0	0	0	0	0	0	0	0	0
Osborne.....	0	0	0	0	0	0	0	0	0	0
Ottawa.....	0	0	0	0	0	0	0	0	0	0
Pawnee.....	0	0	0	0	0	0	0	0	0	0
Phillips.....	1	0	0	0	1	0	0	0	0	0
Pottawatomie.....	1	0	1	0	0	0	0	0	0	0
Pratt.....	0	0	0	0	0	0	0	0	0	0
Rawlins.....	0	0	0	0	0	0	0	0	0	0
Reno.....	3	0	1	0	2	0	0	0	0	0
Republic.....	1	0	1	0	0	0	0	0	0	0
Rice.....	0	0	0	0	0	0	0	0	0	0
Riley.....	4	0	0	1	1	1	1	0	0	0
Rooks.....	3	0	0	1	1	0	1	0	0	0
Rush.....	0	0	0	0	0	0	0	0	0	0
Russell.....	0	0	0	0	0	0	0	0	0	0
Saline.....	5	0	2	1	2	0	0	0	0	0
Scott.....	1	0	0	0	0	1	0	0	0	0
Sedgwick.....	29	0	0	9	9	6	2	3	0	0
Seward.....	4	0	0	3	0	1	0	0	0	0
Shawnee.....	11	0	3	1	4	1	2	0	0	0
Sheridan.....	0	0	0	0	0	0	0	0	0	0
Sherman.....	1	0	0	0	1	0	0	0	0	0
Smith.....	0	0	0	0	0	0	0	0	0	0
Stafford.....	1	0	0	1	0	0	0	0	0	0
Stanton.....	0	0	0	0	0	0	0	0	0	0
Stevens.....	0	0	0	0	0	0	0	0	0	0
Sumner.....	2	0	1	0	1	0	0	0	0	0
Thomas.....	0	0	0	0	0	0	0	0	0	0
Trego.....	0	0	0	0	0	0	0	0	0	0
Wabaunsee.....	1	0	1	0	0	0	0	0	0	0
Wallace.....	0	0	0	0	0	0	0	0	0	0
Washington.....	0	0	0	0	0	0	0	0	0	0
Wichita.....	0	0	0	0	0	0	0	0	0	0
Wilson.....	0	0	0	0	0	0	0	0	0	0
Woodson.....	0	0	0	0	0	0	0	0	0	0
Wyandotte.....	9	0	3	2	2	0	2	0	0	0

# Stillbirth Rates

By Selected Characteristics, Kansas, 2010



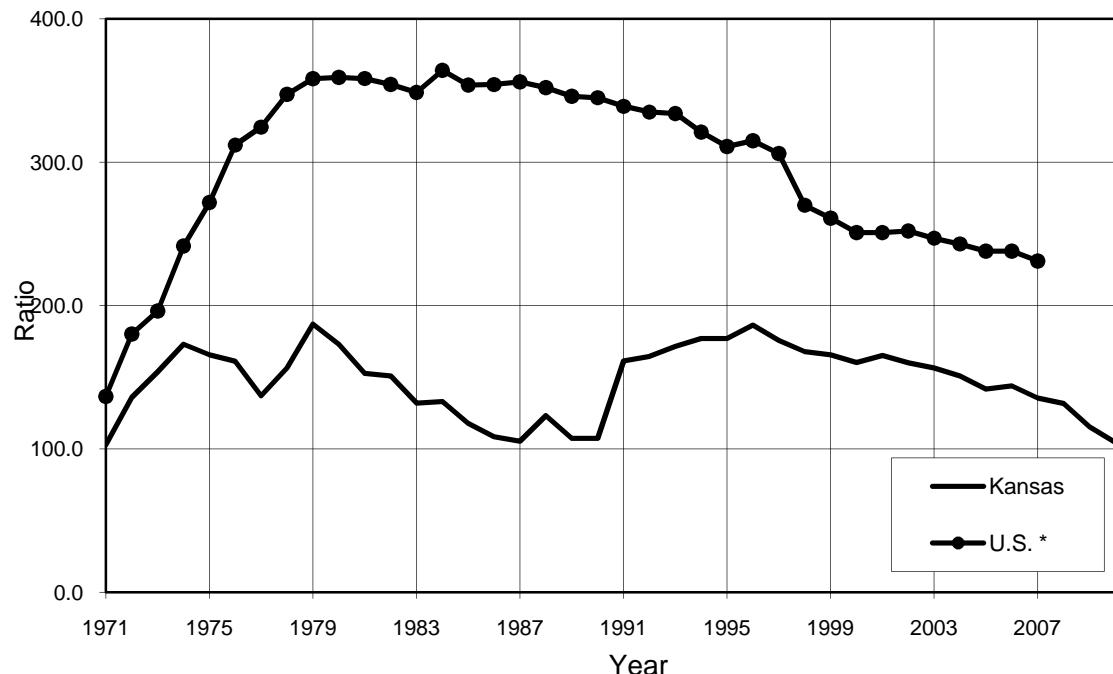
Rates per 1,000 Live Births + Stillbirths

\*Includes selection of two or more races and other non-specified race

Figure 20

## Abortion Ratios

Kansas and the U.S., 1971-2010



\*Data not available for 2008-2010

Ratio per 1,000 Live Births

Residence Data

Figure 21

## Abortion Ratios by Age-Group of Patient

Kansas, 1991 and 2010

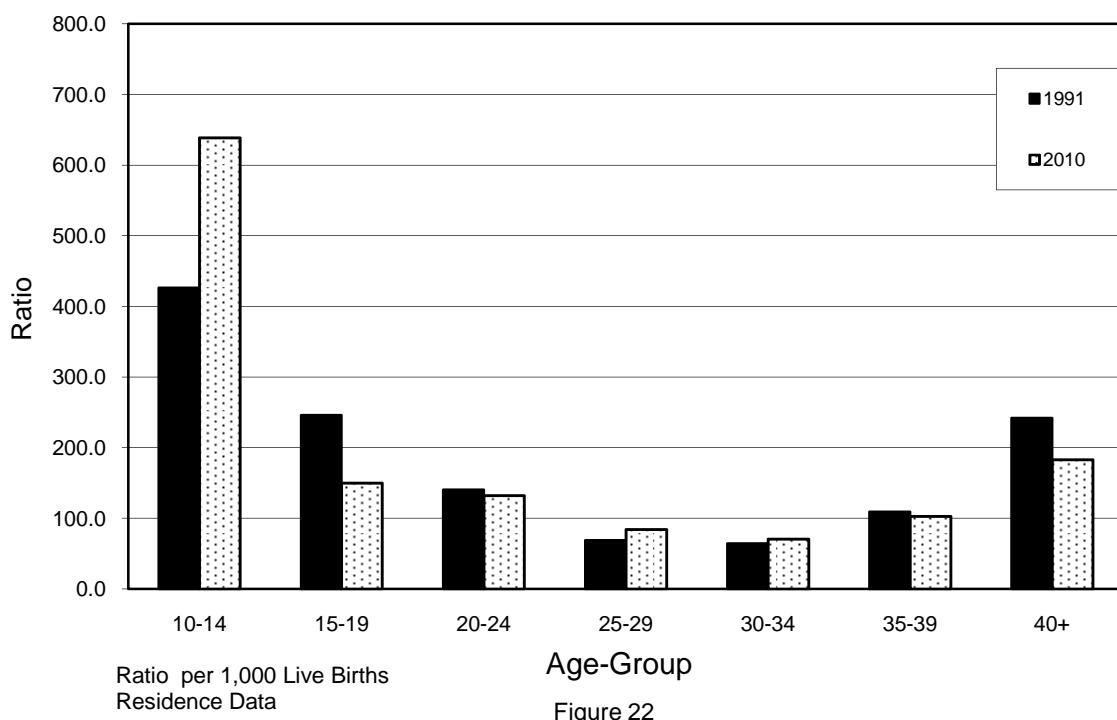


Figure 22

Table 36  
Total Reported Abortions and Abortion Ratios\*  
Kansas and the U.S. 1971-2010

Year	Total	Out of State Residents	Kansas		N.S.	U.S.	
			Residents	Ratio		Number	Ratio
1971.....	9,472	5,763	3,709	103.0	0	485,816	136.6
1972.....	12,248	7,736	4,512	136.0	0	586,760	180.1
1973.....	12,612	7,695	4,917	153.8	0	615,831	196.3
1974.....	10,171	4,503	5,657	172.9	11	763,476	241.6
1975.....	9,160	3,565	5,581	165.6	14	854,853	271.9
1976.....	9,154	3,455	5,686	161.2	13	988,267	312.0
1977.....	7,965	2,918	5,045	137.0	2	1,079,430	324.5
1978.....	9,740	3,957	5,722	156.4	61	1,157,776	347.3
1979.....	12,335	5,042	7,281	187.1	12	1,251,921	358.3
1980.....	11,791	4,750	7,038	173.0	3	1,297,606	359.2
1981.....	10,448	4,150	6,291	152.7	7	1,300,760	358.4
1982.....	9,976	3,823	6,153	151.0	0	1,303,980	354.3
1983.....	8,547	3,218	5,329	132.0	0	1,268,987	348.7
1984.....	8,008	2,689	5,319	133.1	0	1,333,521	364.1
1985.....	7,092	2,447	4,645	117.8	0	1,328,570	353.8
1986.....	6,561	2,316	4,245	108.4	0	1,328,112	354.2
1987.....	6,409	2,357	4,052	105.4	0	1,353,671	356.1
1988.....	7,930	3,161	4,769	123.2	0	1,371,285	352.0
1989.....	8,984 †	3,270	4,149	107.4	1,565 ‡	1,396,658	346.0
1990.....	9,459 †	3,341	4,175	107.4	1,943 ‡	1,429,577	345.0
1991.....	10,141 †	4,071	6,070	161.3	0	1,388,937	339.0
1992.....	11,135 †	4,904	6,231	164.6	0	1,359,145	335.0
1993.....	11,247	4,853	6,394	171.5	0	1,330,414	334.0
1994.....	10,847	4,245	6,596	177.0	6	1,267,415	321.0
1995.....	11,149 §	4,562	6,566	177.0	21	1,210,883	311.0
1996.....	11,181	4,367	6,806	186.3	8	1,225,937	315.0
1997.....	11,507	4,973	6,532	175.6	2	1,186,039	306.0
1998.....	11,624	5,184	6,440	167.8	0	884,273	270.0
1999.....	12,445 †	6,029	6,416	165.6	0	861,789	261.0
2000.....	12,327 †	5,971	6,356	160.3	0	857,475	251.0
2001.....	12,422 †	6,003	6,419	165.3	0	853,485	251.0
2002.....	11,844 †	5,546	6,298	160.1	0	854,122	252.0
2003.....	11,697 †	5,534	6,163	156.6	0	848,163	247.0
2004.....	11,446 †	5,475	5,971	151.0	0	839,226	243.0
2005.....	10,543 †	4,914	5,629	141.8	0	820,151	238.0
2006.....	11,271 †	5,385	5,886	143.9	0	852,385	238.0
2007.....	10,841 †	5,162	5,679	135.4	0	827,609	231.0
2008.....	10,643 †	5,131	5,512	131.8	0	n.a.	n.a.
2009.....	9,474 †	4,693	4,780	115.5	1	n.a.	n.a.
2010.....	8,373 †	4,150	4,223	104.4	0	n.a.	n.a.

\* Includes in state occurrences to Kansas residents and out of state residents, plus Kansas resident occurrences out of state. Ratio per 1,000 live births.

Source for U.S. data: Centers for Disease Control and Prevention

Kansas data: Kansas Department of Health & Environment

† The increase in the 1989-1992 figures may not reflect an increase in the number of abortions being performed but rather an increase in the number of providers voluntarily reporting data.

‡ Residency data was not available for all abortions in 1989-1990 . However, due to improved reporting, residency was obtained for most of the abortions reported in subsequent years. This improved reporting is also responsible for the increase in the resident abortion ratio between 1990 and 1991.

§ As of July 1, 1995, reporting became mandatory for every medical care facility and every person licensed to practice medicine and surgery.

¶ This number is larger than the one reported in the preliminary report due to induced termination of pregnancy reports received from other states after the Kansas reporting deadline.

## Reported Abortions

By Selected Characteristics, Kansas, 2010

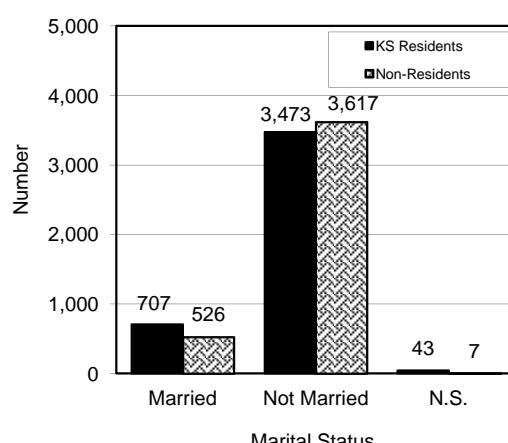
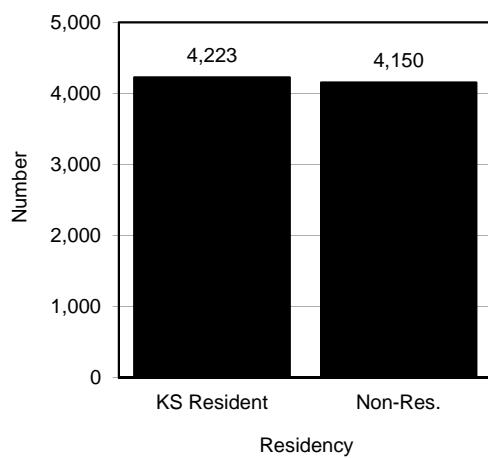
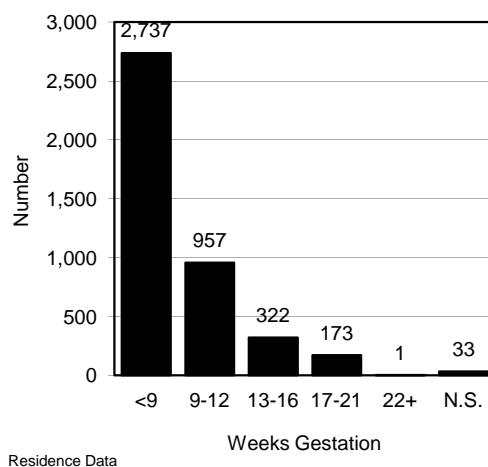
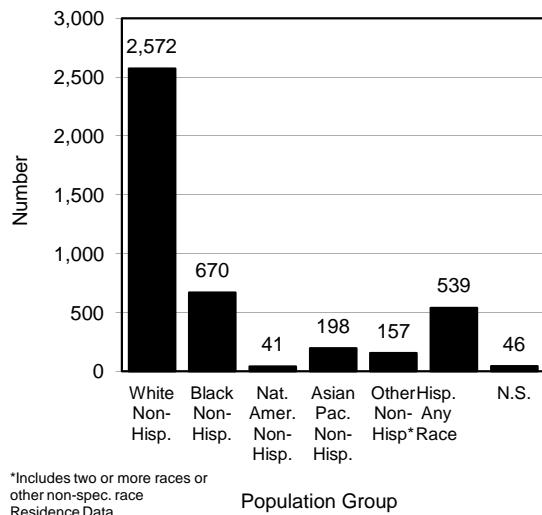
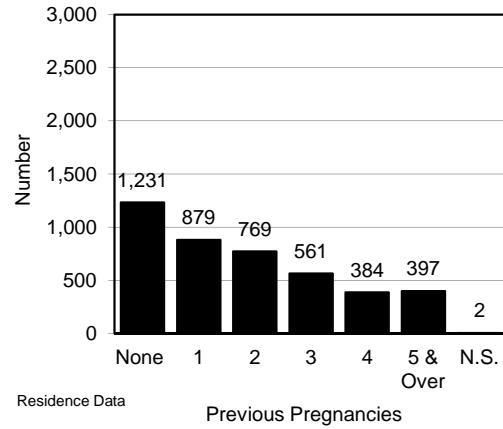
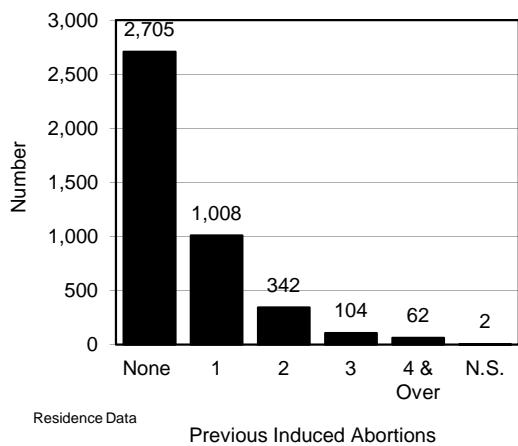


Figure 23

Table 37  
Abortions by Age-Group of Patient  
By County of Residence  
Kansas, 2010

County of Residence	Total	Age-Group								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Kansas.....	4,223	23	576	1,427	1,054	626	368	142	6	1
Allen.....	8	0	2	4	1	1	0	0	0	0
Anderson.....	5	0	0	2	1	1	1	0	0	0
Atchison.....	16	0	3	6	2	1	3	1	0	0
Barber.....	1	0	1	0	0	0	0	0	0	0
Barton.....	21	0	5	7	3	2	4	0	0	0
Bourbon.....	9	0	0	3	4	2	0	0	0	0
Brown.....	6	0	3	2	1	0	0	0	0	0
Butler.....	53	0	12	20	7	10	4	0	0	0
Chase.....	3	0	0	3	0	0	0	0	0	0
Chautauqua.....	0	0	0	0	0	0	0	0	0	0
Cherokee.....	6	0	0	4	0	2	0	0	0	0
Cheyenne.....	0	0	0	0	0	0	0	0	0	0
Clark.....	0	0	0	0	0	0	0	0	0	0
Clay.....	10	0	3	4	1	2	0	0	0	0
Cloud.....	6	0	2	3	0	0	1	0	0	0
Coffey.....	4	0	1	2	0	0	0	1	0	0
Comanche.....	1	0	0	0	0	1	0	0	0	0
Cowley.....	9	0	1	3	1	2	2	0	0	0
Crawford.....	43	0	5	19	13	2	3	1	0	0
Decatur.....	1	0	0	1	0	0	0	0	0	0
Dickinson.....	18	0	4	5	5	4	0	0	0	0
Doniphan.....	6	0	0	3	2	1	0	0	0	0
Douglas.....	281	1	32	135	63	26	19	5	0	0
Edwards.....	0	0	0	0	0	0	0	0	0	0
Elk.....	2	0	1	0	1	0	0	0	0	0
Ellis.....	33	0	5	13	7	5	2	1	0	0
Ellsworth.....	5	0	1	2	1	0	0	1	0	0
Finney.....	10	0	4	4	1	1	0	0	0	0
Ford.....	27	0	5	9	5	2	4	2	0	0
Franklin.....	45	0	8	18	7	7	1	4	0	0
Geary.....	106	1	13	46	29	9	5	3	0	0
Gove.....	1	0	0	1	0	0	0	0	0	0
Graham.....	0	0	0	0	0	0	0	0	0	0
Grant.....	0	0	0	0	0	0	0	0	0	0
Gray.....	0	0	0	0	0	0	0	0	0	0
Greeley.....	0	0	0	0	0	0	0	0	0	0
Greenwood.....	5	0	1	2	1	0	1	0	0	0
Hamilton.....	0	0	0	0	0	0	0	0	0	0
Harper.....	5	0	1	3	1	0	0	0	0	0
Harvey.....	28	0	3	12	6	5	1	1	0	0
Haskell.....	0	0	0	0	0	0	0	0	0	0
Hodgeman.....	1	0	0	0	1	0	0	0	0	0
Jackson.....	19	0	3	7	4	2	2	0	1	0
Jefferson.....	14	0	1	4	4	2	1	2	0	0
Jewell.....	0	0	0	0	0	0	0	0	0	0
Johnson.....	1,175	4	129	321	312	224	132	53	0	0
Kearny.....	1	0	0	0	1	0	0	0	0	0
Kingman.....	10	0	0	3	5	0	0	1	1	0
Kiowa.....	0	0	0	0	0	0	0	0	0	0
Labette.....	22	0	5	10	4	0	3	0	0	0
Lane.....	0	0	0	0	0	0	0	0	0	0
Leavenworth.....	111	3	15	40	22	14	13	3	1	0
Lincoln.....	1	0	1	0	0	0	0	0	0	0
Linn.....	9	0	1	3	3	0	2	0	0	0
Logan.....	0	0	0	0	0	0	0	0	0	0

Table 37  
Abortions by Age-Group of Patient  
By County of Residence  
Kansas, 2010

County of Residence	Total	Age-Group								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Lyon.....	49	1	12	21	6	7	1	1	0	0
Marion.....	8	0	3	1	2	2	0	0	0	0
Marshall.....	3	0	0	1	2	0	0	0	0	0
McPherson.....	24	0	0	9	7	4	4	0	0	0
Meade.....	0	0	0	0	0	0	0	0	0	0
Miami.....	39	0	7	13	6	7	5	1	0	0
Mitchell.....	1	0	0	0	1	0	0	0	0	0
Montgomery.....	12	1	7	1	1	0	2	0	0	0
Morris.....	1	0	1	0	0	0	0	0	0	0
Morton.....	0	0	0	0	0	0	0	0	0	0
Nemaha.....	7	0	1	3	2	1	0	0	0	0
Neosho.....	12	0	3	5	2	0	1	1	0	0
Ness.....	3	0	0	1	1	1	0	0	0	0
Norton.....	0	0	0	0	0	0	0	0	0	0
Osage.....	6	0	2	3	0	1	0	0	0	0
Osborne.....	0	0	0	0	0	0	0	0	0	0
Ottawa.....	2	0	1	0	1	0	0	0	0	0
Pawnee.....	5	0	1	0	3	1	0	0	0	0
Phillips.....	0	0	0	0	0	0	0	0	0	0
Pottawatomie.....	14	0	0	1	8	2	0	3	0	0
Pratt.....	7	0	1	4	1	0	1	0	0	0
Rawlins.....	0	0	0	0	0	0	0	0	0	0
Reno.....	45	0	7	15	12	4	6	1	0	0
Republic.....	0	0	0	0	0	0	0	0	0	0
Rice.....	9	1	2	0	5	0	1	0	0	0
Riley.....	170	1	27	80	39	13	6	4	0	0
Rooks.....	0	0	0	0	0	0	0	0	0	0
Rush.....	5	0	2	1	0	0	2	0	0	0
Russell.....	7	0	1	2	1	2	1	0	0	0
Saline.....	68	0	13	26	18	8	2	1	0	0
Scott.....	1	0	0	0	0	1	0	0	0	0
Sedgwick.....	679	5	85	241	170	100	55	20	3	0
Seward.....	8	0	1	4	2	0	1	0	0	0
Shawnee.....	283	1	46	79	81	45	23	8	0	0
Sheridan.....	0	0	0	0	0	0	0	0	0	0
Sherman.....	0	0	0	0	0	0	0	0	0	0
Smith.....	0	0	0	0	0	0	0	0	0	0
Stafford.....	0	0	0	0	0	0	0	0	0	0
Stanton.....	0	0	0	0	0	0	0	0	0	0
Stevens.....	1	0	0	1	0	0	0	0	0	0
Sumner.....	17	0	4	6	4	0	3	0	0	0
Thomas.....	1	0	0	1	0	0	0	0	0	0
Trego.....	1	0	0	1	0	0	0	0	0	0
Wabaunsee.....	5	0	2	2	1	0	0	0	0	0
Wallace.....	0	0	0	0	0	0	0	0	0	0
Washington.....	1	0	0	1	0	0	0	0	0	0
Wichita.....	0	0	0	0	0	0	0	0	0	0
Wilson.....	2	0	1	0	1	0	0	0	0	0
Woodson.....	2	0	2	0	0	0	0	0	0	0
Wyandotte.....	554	2	67	173	144	97	49	22	0	0
N.S.*.....	34	2	6	7	14	2	1	1	0	1

\*County information not collected by other states.

Table 38  
 Reported Abortions by Age-Group of Patient  
 By Selected Characteristics  
 Kansas, 2010

Selected Characteristics	Total*	Age-Group								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Total Reported.....	8,373	40	1,135	2,812	2,127	1,279	726	241	12	1
Residency										
Kansans in State .....	4,183	21	568	1,419	1,039	623	366	141	6	0
Kansans out-of-state.....	40	2	8	8	15	3	2	1	0	1
Non-residents in KS .....	4,150	17	559	1,385	1,073	653	358	99	6	0
N.S.....	0	0	0	0	0	0	0	0	0	0
Population Group										
White Non-Hispanic.....	4,988	15	675	1,713	1,256	729	433	159	8	0
Black Non-Hispanic.....	1,830	12	252	607	469	316	140	33	1	0
Native American Non-Hispanic....	61	0	6	21	21	10	3	0	0	0
Asian/Pacific Non-Hispanic .....	315	1	20	83	88	47	55	20	1	0
Other Non-Hispanic <sup>†</sup> .....	304	2	61	116	71	32	18	3	1	0
Hispanic Any Race.....	811	7	113	258	200	135	73	24	1	0
N.S.....	64	3	8	14	22	10	4	2	0	1
Marital Status of Patient										
Married .....	1,233	0	20	216	339	309	245	99	5	0
Not Married .....	7,090	38	1,108	2,588	1,770	965	475	139	7	0
N.S.....	50	2	7	8	18	5	6	3	0	1
Weeks Gestation										
Under 9.....	5,406	17	652	1,747	1,434	871	496	183	6	0
9-12 .....	1,948	15	294	705	452	283	157	38	4	0
13-16 .....	630	2	112	233	146	79	46	11	1	0
17-21 .....	355	4	71	119	82	44	26	8	1	0
22 & Over .....	1	0	0	1	0	0	0	0	0	0
N.S.....	33	2	6	7	13	2	1	1	0	1
Procedure										
Suction Curettage .....	5,441	22	715	1,755	1,391	866	508	173	10	1
Sharp Curettage .....	1	0	0	0	0	1	0	0	0	0
Dilation & Evac .....	718	7	134	260	161	95	51	9	1	0
Med Proc. 1 <sup>‡</sup> .....	2,209	11	286	796	574	316	166	59	1	0
Med Proc. 2 <sup>§</sup> .....	1	0	0	0	0	1	0	0	0	0
Intra-Uterine Pros. Instillation .....	2	0	0	1	1	0	0	0	0	0
Hysterotomy .....	1	0	0	0	0	0	1	0	0	0
Hysterectomy .....	0	0	0	0	0	0	0	0	0	0
Digoxin/Induction .....	0	0	0	0	0	0	0	0	0	0
"Partial Birth" Procedure.....	0	0	0	0	0	0	0	0	0	0
Other .....	0	0	0	0	0	0	0	0	0	0
N.S.....	0	0	0	0	0	0	0	0	0	0
Previous Pregnancies										
None .....	2,342	40	837	979	347	97	27	14	0	1
1 .....	1,704	0	203	773	414	189	95	29	1	0
2 .....	1,500	0	72	517	490	248	137	35	1	0
3 .....	1,140	0	20	297	365	246	159	45	8	0
4 .....	775	0	3	156	241	203	117	54	1	0
5 & Over .....	910	0	0	89	270	296	190	64	1	0
N.S.....	2	0	0	1	0	0	1	0	0	0

Table 38  
 Reported Abortions by Age-Group of Patient  
 By Selected Characteristics  
 Kansas, 2010

Selected Characteristics	Total*	Age-Group								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Previous Induced Abortions										
None .....	5,022	40	997	1,838	1,123	577	326	113	7	1
1 .....	2,094	0	121	704	593	378	227	66	5	0
2 .....	797	0	12	173	271	203	99	39	0	0
3 .....	298	0	5	68	91	79	38	17	0	0
4 .....	95	0	0	22	25	23	21	4	0	0
5 & Over .....	65	0	0	6	24	19	14	2	0	0
N.S.....	2	0	0	1	0	0	1	0	0	0
Number of Living Children										
None .....	3,369	40	941	1,453	610	214	83	26	1	1
1 .....	2,144	0	161	831	622	305	166	57	2	0
2 .....	1,692	0	31	400	554	400	228	73	6	0
3 .....	770	0	1	99	246	222	146	55	1	0
4 .....	280	0	1	24	72	96	62	23	2	0
5 & Over .....	118	0	0	5	23	42	41	7	0	0
N.S.....	0	0	0	0	0	0	0	0	0	0
Children Born Alive Now Dead										
None .....	8,332	40	1,135	2,802	2,113	1,273	718	238	12	1
1 .....	33	0	0	9	10	5	7	2	0	0
2 .....	7	0	0	1	3	1	1	1	0	0
3 .....	0	0	0	0	0	0	0	0	0	0
4 .....	1	0	0	0	1	0	0	0	0	0
5 & Over .....	0	0	0	0	0	0	0	0	0	0
N.S.....	0	0	0	0	0	0	0	0	0	0
Spontaneous Terminations										
None .....	7,075	40	1,110	2,496	1,741	975	537	167	8	1
1 .....	1,002	0	22	270	303	226	128	51	2	0
2 .....	205	0	2	32	61	52	41	15	2	0
3 .....	65	0	1	10	12	23	12	7	0	0
4 .....	17	0	0	3	8	2	4	0	0	0
5 & Over .....	7	0	0	0	2	1	3	1	0	0
N.S.....	2	0	0	1	0	0	1	0	0	0

\* Totals are larger than reported in the preliminary report due to induced termination of pregnancy reports received from other states after the Kansas reporting deadline. Not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

† Includes selection of two or more races or other non-specified race

‡ Refers to drug mifepristone

§ Refers to drug methotrexate

Table 39  
 Abortions by Age-Group of Patient  
 By Selected Characteristics  
 Kansas Residents, 2010

Selected Characteristics	Total*	Age-Group								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Total Reported.....	4,223	23	576	1,427	1,054	626	368	142	6	1
Population Group										
White Non-Hispanic.....	2,572	7	340	892	661	350	225	93	4	0
Black Non-Hispanic.....	670	5	98	227	158	120	49	12	1	0
Native American Non-Hispanic.....	41	0	3	16	10	9	3	0	0	0
Asian/Pacific Non-Hispanic .....	198	1	14	56	52	30	30	14	1	0
Other Non-Hispanic <sup>†</sup> .....	157	2	35	60	33	15	11	1	0	0
Hispanic Any Race.....	539	6	80	167	121	96	49	20	0	0
N.S.....	46	2	6	9	19	6	1	2	0	1
Marital Status of Patient										
Married .....	707	0	12	138	193	168	132	61	3	0
Not Married .....	3,473	21	558	1,282	844	455	232	78	3	0
N.S.....	43	2	6	7	17	3	4	3	0	1
Weeks Gestation										
Under 9.....	2,737	10	322	899	712	430	251	110	3	0
9-12 .....	957	9	152	341	224	126	82	21	2	0
13-16 .....	322	1	62	122	64	45	21	6	1	0
17-21 .....	173	1	34	57	41	23	13	4	0	0
22 & Over .....	1	0	0	1	0	0	0	0	0	0
N.S.....	33	2	6	7	13	2	1	1	0	1
Procedure										
Suction Curettage .....	2,900	15	394	938	721	439	273	113	6	1
Sharp Curettage .....	0	0	0	0	0	0	0	0	0	0
Dilation & Evac .....	324	3	65	117	62	50	23	4	0	0
Med Proc. 1 <sup>‡</sup> .....	996	5	117	371	270	137	71	25	0	0
Med Proc. 2 <sup>§</sup> .....	0	0	0	0	0	0	0	0	0	0
Intra-Uterine Pros. Instillation .....	2	0	0	1	1	0	0	0	0	0
Hysterotomy .....	1	0	0	0	0	0	1	0	0	0
Hysterectomy .....	0	0	0	0	0	0	0	0	0	0
Digoxin/Induction .....	0	0	0	0	0	0	0	0	0	0
"Partial Birth" Procedure.....	0	0	0	0	0	0	0	0	0	0
Other .....	0	0	0	0	0	0	0	0	0	0
N.S.....	0	0	0	0	0	0	0	0	0	0
Previous Pregnancies										
None .....	1,231	23	433	536	178	45	8	7	0	1
1 .....	879	0	95	386	216	106	55	20	1	0
2 .....	769	0	40	260	247	131	75	16	0	0
3 .....	561	0	6	134	186	122	82	28	3	0
4 .....	384	0	2	65	113	107	59	37	1	0
5 & Over .....	397	0	0	45	114	115	88	34	1	0
N.S.....	2	0	0	1	0	0	1	0	0	0

Table 39  
 Abortions by Age-Group of Patient  
 By Selected Characteristics  
 Kansas Residents, 2010

Selected Characteristics	Total*	Age-Group								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
<b>Previous Induced Abortions</b>										
None .....	2,705	23	514	970	609	332	184	68	4	1
1 .....	1,008	0	53	339	285	174	115	40	2	0
2 .....	342	0	7	76	112	86	38	23	0	0
3 .....	104	0	2	27	31	25	12	7	0	0
4 .....	44	0	0	13	13	5	10	3	0	0
5 & Over .....	18	0	0	1	4	4	8	1	0	0
N.S.....	2	0	0	1	0	0	1	0	0	0
<b>Number of Living Children</b>										
None .....	1,736	23	483	769	305	101	36	17	1	1
1 .....	1,044	0	79	397	298	150	87	32	1	0
2 .....	829	0	13	200	261	200	115	39	1	0
3 .....	406	0	0	44	133	108	85	35	1	0
4 .....	144	0	1	14	41	48	24	14	2	0
5 & Over .....	64	0	0	3	16	19	21	5	0	0
N.S.....	0	0	0	0	0	0	0	0	0	0
<b>Children Born Alive Now Dead</b>										
None .....	4,199	23	576	1,423	1,045	622	363	140	6	1
1 .....	18	0	0	3	7	3	4	1	0	0
2 .....	5	0	0	1	1	1	1	1	0	0
3 .....	0	0	0	0	0	0	0	0	0	0
4 .....	1	0	0	0	1	0	0	0	0	0
5 & Over .....	0	0	0	0	0	0	0	0	0	0
N.S.....	0	0	0	0	0	0	0	0	0	0
<b>Spontaneous Terminations</b>										
None .....	3,586	23	561	1,274	874	469	277	103	4	1
1 .....	490	0	12	131	141	117	62	26	1	0
2 .....	105	0	2	14	27	32	19	10	1	0
3 .....	25	0	1	5	5	6	5	3	0	0
4 .....	13	0	0	2	6	2	3	0	0	0
5 & Over .....	2	0	0	0	1	0	1	0	0	0
N.S.....	2	0	0	1	0	0	1	0	0	0

\* Totals are larger than reported in the preliminary report due to induced termination of pregnancy reports received from other states after the Kansas reporting deadline. Not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

† Includes selection of two or more races or other non-specified race

‡ Refers to drug mifepristone

§ Refers to drug methotrexate

**Table 40**  
**Total Reported Abortions by Population Group**  
**By Marital Status**  
**Kansas, 2010**

Population Group	Total		Marital Status					
			Married		Unmarried		N.S. <sup>†</sup>	
	Number	Percent	Number	Percent	Number	Percent		
Total.....	8,373	100.0	1,233	14.8	7,090	85.2	50	
White Non-Hispanic.....	4,988	100.0	743	14.9	4,235	85.1	10	
Black Non-Hispanic.....	1,830	100.0	146	8.0	1,682	92.0	2	
Native American								
Non-Hispanic.....	61	100.0	7	11.5	54	88.5	0	
Asian/Pacific								
Non-Hispanic.....	315	100.0	137	43.5	178	56.5	0	
Other Non-Hispanic*....	304	100.0	42	13.9	261	86.1	1	
Hispanic Any Race.....	811	100.0	153	18.9	655	81.1	3	
N.S. <sup>†</sup> .....	64	100.0	5	n/a	25	n/a	34	

\* Includes selection of two or more races or other non-specified race

† The not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

**Table 41**  
**Total Reported Abortions by Population Group**  
**By Weeks Gestation**  
**Kansas, 2010**

Population Group	Total		Weeks Gestation										N.S.**
			Under 9		9-12		13-16		17-21		22 & Over		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Total.....	8,373	100.0	5,406	64.8	1,948	23.4	630	7.6	355	4.3	1	0.0	33
White Non-Hispanic.....	4,988	100.0	3,389	67.9	1,066	21.4	362	7.3	171	3.4	0	0.0	0
Black Non-Hispanic.....	1,830	100.0	1,019	55.7	539	29.5	160	8.7	111	6.1	1	0.1	0
Native American Non-Hispanic.....	61	100.0	43	70.5	11	18.0	4	6.6	3	4.9	0	0.0	0
Asian/Pacific Non-Hispanic.....	315	100.0	236	74.9	50	15.9	16	5.1	13	4.1	0	0.0	0
Other Non-Hispanic*.....	304	100.0	188	61.8	70	23.0	24	7.9	22	7.2	0	0.0	0
Hispanic Any Race.....	811	100.0	510	62.9	206	25.4	62	7.6	33	4.1	0	0.0	0
N.S. <sup>†</sup> .....	64	100.0	21	n/a	6	n/a	2	n/a	2	n/a	0	n/a	33

\* Includes selection of two or more races or other non-specified race

† The not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

## Total Reported Abortions: Percent Distribution by Weeks Gestation

Kansas, 2010

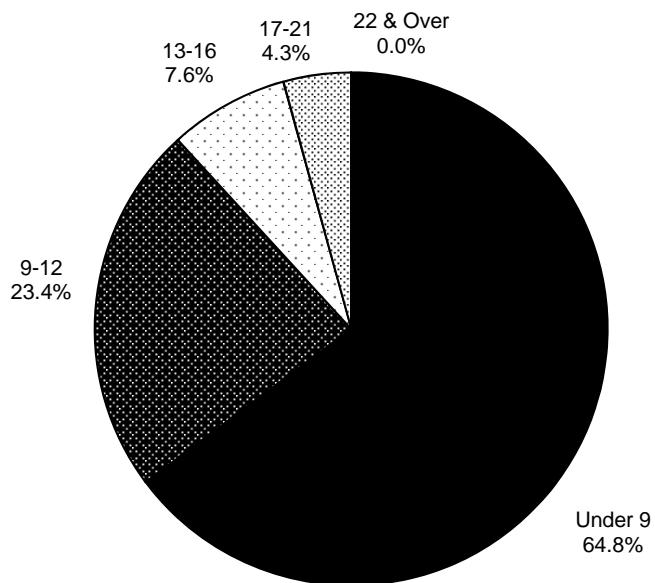


Figure 24

Table 42  
Total Reported Abortions by Termination Procedure  
By Weeks Gestation  
Kansas, 2010

Termination Procedure	Total	Weeks Gestation					
		Under 9	9-12	13-16	17-21	22 & Over	N.S.*
Total	8,373	5,406	1,948	630	355	1	33
Suction Curettage	5,441	3,221	1,930	263	3	0	24
Sharp Curettage	1	0	1	0	0	0	0
Dilation & Evacuation	718	1	0	365	349	0	3
Medical Procedure I <sup>†</sup>	2,209	2,183	17	2	1	0	6
Medical Procedure II <sup>‡</sup>	1	1	0	0	0	0	0
Intra-Uterine							
Prostaglandin Instillation	2	0	0	0	1	1	0
Hysterotomy	1	0	0	0	1	0	0
Hysterectomy	0	0	0	0	0	0	0
Digoxin/Induction	0	0	0	0	0	0	0
"Partial Birth" Procedure	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
N.S.	0	0	0	0	0	0	0

\* The not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

† Refers to drug mifepristone

‡ Refers to drug methotrexate

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# DEATHS

Table 43  
 Deaths by Number, Crude\* and Age-Adjusted Rate<sup>†</sup>  
 By County of Residence and by Peer Group<sup>‡</sup>  
 Kansas, 2006-2010

**ERRATA see Page 198**

County of Residence	Year														5-Year		
	2006			2007			2008			2009			2010				
	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate		
Kansas.....	24,489	8.9	7.9	24,413	8.8	7.9	24,896	8.9	7.8	23,997	8.5	7.6	24,428	8.6	7.6	8.7	7.7
Allen.....	180	13.2	9.4	174	13.0	8.7	164	12.3	8.4	175	13.3	9.1	182	13.6	9.1	13.1	8.9
Anderson.....	100	12.4	7.4	75	9.5	6.1	96	12.0	8.0	107	13.6	9.1	95	11.7	7.0	11.8	7.5
Atchison.....	191	11.4	8.8	191	11.5	8.6	181	11.0	8.2	180	11.0	8.6	190	11.2	8.9	11.2	8.6
Barber.....	65	13.1	7.9	80	16.7	10.3	66	14.1	8.0	60	13.1	8.8	51	10.5	6.4	13.5	8.2
Barton.....	313	11.4	7.8	285	10.3	6.9	348	12.6	8.1	305	11.1	8.0	295	10.7	7.8	11.2	7.7
Bourbon.....	206	13.8	10.0	169	11.4	8.0	199	13.4	9.7	166	11.2	8.1	177	11.7	8.3	12.3	8.8
Brown.....	175	17.1	10.5	143	14.2	9.2	120	12.0	8.0	139	14.0	10.0	104	10.4	6.9	13.6	8.9
Butler.....	538	8.5	8.1	576	9.1	8.3	548	8.6	7.8	573	8.9	8.2	619	9.4	8.7	8.9	8.2
Chase.....	48	15.6	11.2	30	10.4	7.1	35	12.5	8.7	25	8.9	5.3	40	14.3	9.2	12.4	8.3
Chautauqua.....	64	16.2	8.6	60	15.8	7.7	69	18.3	10.8	53	14.2	8.0	53	14.4	8.2	15.8	8.7
Cherokee.....	266	12.4	9.9	287	13.5	10.8	289	13.7	11.1	265	12.6	10.2	278	12.9	10.5	13.0	10.5
Cheyenne.....	46	15.8	7.9	48	17.1	8.7	37	13.5	6.7	52	19.3	8.9	37	13.6	5.8	15.9	7.6
Clark.....	30	13.6	7.5	28	13.4	7.7	30	14.2	7.9	34	16.3	8.8	30	13.5	6.9	14.2	7.7
Clay.....	110	12.8	7.1	119	13.7	8.0	123	13.9	7.6	111	12.8	7.7	108	12.7	7.6	13.2	7.7
Cloud.....	148	15.4	8.2	161	17.2	8.6	148	15.7	8.2	155	16.7	9.1	130	13.6	7.6	15.7	8.3
Coffey.....	112	12.9	9.2	94	11.1	8.0	105	12.5	9.3	83	9.8	7.5	111	12.9	9.8	11.9	8.7
Comanche.....	39	20.7	10.8	44	23.3	11.6	28	14.4	6.9	27	14.4	6.5	39	20.6	11.7	18.7	9.4
Cowley.....	396	11.3	9.3	421	12.3	10.0	407	11.9	9.7	418	12.4	10.6	416	11.5	9.0	11.9	9.7
Crawford.....	437	11.5	8.9	474	12.2	10.0	422	10.9	8.8	366	9.4	8.0	439	11.2	9.2	11.0	9.0
Decatur.....	60	19.2	8.9	40	13.5	6.0	61	20.9	9.8	44	15.4	7.3	46	15.5	7.8	17.0	8.0
Dickinson.....	207	10.7	7.1	228	12.0	7.7	235	12.2	8.1	212	11.1	7.6	234	11.8	7.7	11.6	7.6
Doniphan.....	67	8.5	6.1	76	9.8	7.1	79	10.2	7.5	80	10.5	7.4	77	9.7	7.2	9.7	7.0
Douglas.....	596	5.3	6.7	570	5.0	6.4	549	4.8	5.9	588	5.1	6.0	627	5.7	7.1	5.2	6.4
Edwards.....	36	11.5	7.2	37	11.9	7.7	39	12.7	8.1	44	14.3	10.0	34	11.2	8.0	12.3	8.1
Elk.....	49	15.9	8.8	49	16.1	8.0	42	13.8	7.7	41	13.7	7.1	48	16.7	9.5	15.2	8.2
Ellis.....	218	8.1	6.5	251	9.1	7.3	269	9.7	7.4	243	8.8	7.3	225	7.9	6.6	8.7	7.0
Ellsworth.....	76	12.0	7.4	72	11.4	6.5	85	13.6	8.3	80	12.9	7.6	99	15.2	9.5	13.1	7.9
Finney.....	196	5.0	7.3	174	4.5	6.4	202	4.9	7.0	199	4.7	6.6	190	5.2	7.0	4.9	6.8
Ford.....	211	6.2	6.8	225	6.7	7.2	235	7.1	7.3	225	6.7	7.4	266	7.9	8.5	6.9	7.4
Franklin.....	245	9.2	8.2	250	9.4	8.4	245	9.2	8.3	242	9.2	8.6	245	9.4	8.2	9.3	8.3
Geary.....	193	8.0	8.8	169	6.7	7.4	208	6.7	7.5	218	6.9	8.2	204	5.9	8.4	6.8	8.0
Gove.....	40	14.7	7.4	41	15.5	7.2	39	15.3	7.5	51	20.6	10.3	26	9.6	4.5	15.1	7.3
Graham.....	34	12.7	6.0	39	15.0	7.3	43	16.6	8.3	36	14.8	7.4	39	15.0	7.6	14.8	7.3
Grant.....	60	7.9	9.3	58	7.7	8.6	51	6.9	7.7	40	5.4	6.2	57	7.3	8.9	7.1	8.1
Gray.....	52	8.9	8.3	51	9.0	7.9	51	9.0	8.3	49	8.2	7.2	54	9.0	8.5	8.8	8.0
Greeley.....	10	7.5	5.1	13	10.0	6.2	9	7.1	4.5	15	12.2	8.0	14	11.2	5.9	9.6	5.9
Greenwood.....	117	16.6	9.7	103	14.7	8.9	104	15.2	8.9	79	11.9	7.3	95	14.2	8.9	14.5	8.7
Hamilton.....	28	10.8	7.2	29	11.0	8.1	31	11.8	7.4	31	11.8	8.6	28	10.4	9.2	11.2	8.1
Harper.....	112	18.8	10.7	96	16.5	8.3	93	15.9	8.2	107	18.9	10.2	101	16.7	9.7	17.4	9.4
Harvey.....	375	11.1	7.6	386	11.5	7.7	349	10.4	6.9	335	9.8	6.5	399	11.5	7.8	10.9	7.3
Haskell.....	33	7.9	8.5	32	7.9	8.4	32	8.2	7.9	25	6.2	5.9	28	6.6	7.4	7.4	7.6
Hodgeman.....	26	12.6	8.5	22	11.2	6.7	18	9.2	5.9	26	13.6	8.8	17	8.9	5.4	11.1	7.1
Jackson.....	146	10.8	9.1	113	8.4	7.0	154	11.6	9.4	136	10.1	8.2	118	8.8	7.0	10.0	8.1
Jefferson.....	183	9.7	8.5	181	9.8	8.6	159	8.6	7.2	138	7.6	6.3	183	9.6	8.1	9.1	7.7
Jewell.....	52	15.6	7.5	48	15.0	6.7	44	14.0	6.0	41	13.4	6.7	35	11.4	5.9	13.9	6.5
Johnson.....	3,156	6.1	6.8	3,084	5.9	6.4	3,358	6.3	6.8	3,234	6.0	6.1	3,300	6.1	6.2	6.1	6.5
Kearny.....	39	8.7	9.3	35	8.4	8.1	39	9.4	8.8	38	9.1	9.8	34	8.5	7.7	8.8	8.6
Kingman.....	95	11.9	6.6	119	15.2	8.9	89	11.5	6.6	105	13.9	8.6	81	10.3	6.1	12.6	7.3
Kiowa.....	33	11.1	7.2	32	10.8	6.6	34	13.4	6.1	29	12.5	8.0	22	8.6	5.5	11.2	6.6
Labette.....	285	12.8	9.2	276	12.6	9.0	293	13.4	9.7	254	11.7	8.6	249	11.5	8.7	12.4	9.0
Lane.....	26	14.5	7.3	28	16.0	9.9	30	17.2	10.3	25	14.4	8.2	16	9.1	5.8	14.2	8.4
Leavenworth.....	523	7.1	8.4	495	6.7	7.9	526	7.1	8.2	521	6.9	7.9	554	7.3	7.8	7.0	8.0
Lincoln.....	39	11.5	6.9	59	18.0	10.5	46	14.1	8.1	44	14.1	8.2	40	12.3	7.8	14.0	8.2
Linn.....	115	11.5	8.6	105	10.8	7.6	131	13.6	9.1	114	12.2	9.1	109	11.3	7.7	11.9	8.4
Logan.....	40	15.0	8.3	40	15.2	8.6	39	15.0	9.0	30	11.8	7.3	29	10.5	6.3	13.5	7.8

Table 43  
 Deaths by Number, Crude\* and Age-Adjusted Rate<sup>†</sup>  
 By County of Residence and by Peer Group<sup>‡</sup>  
 Kansas, 2006-2010

**ERRATA see Page 198**

County of Residence	Year													5-Year			
	2006			2007			2008			2009			2010				
	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate		
Lyon.....	289	8.2	7.7	313	8.7	8.0	258	7.3	6.5	274	8.2	7.0	263	7.8	7.2	8.0	7.2
McPherson.....	374	12.7	8.3	345	11.8	7.3	376	12.9	8.0	357	12.4	8.1	348	11.9	7.3	12.4	7.8
Marion.....	162	12.7	7.1	172	14.1	7.9	179	14.8	7.5	152	12.7	7.1	141	11.1	6.2	13.1	7.2
Marshall.....	141	13.6	7.7	126	12.4	6.4	110	10.8	5.7	121	12.0	7.1	131	12.9	7.1	12.3	6.8
Meade.....	44	9.6	6.9	50	11.4	8.4	50	11.5	7.3	49	11.1	7.8	50	10.9	7.2	10.9	7.5
Miami.....	228	7.4	7.5	243	7.8	8.1	269	8.7	8.9	245	7.9	8.4	290	8.8	8.3	8.1	8.2
Mitchell.....	99	15.7	7.7	88	14.0	8.1	102	16.2	8.7	104	16.4	9.2	99	15.5	8.4	15.6	8.4
Montgomery.....	488	14.1	9.7	446	12.9	8.9	478	13.9	9.6	418	12.2	8.6	456	12.9	9.1	13.2	9.2
Morris.....	70	11.6	7.2	73	12.2	6.9	78	12.9	7.1	78	13.0	7.4	71	12.0	6.4	12.3	7.0
Morton.....	33	10.5	8.9	37	12.2	9.9	36	12.1	10.1	36	11.9	9.3	36	11.1	7.6	11.5	9.0
Nemaha.....	147	14.2	7.9	143	14.0	7.8	139	13.7	7.4	104	10.4	6.0	135	13.3	7.0	13.1	7.2
Neosho.....	208	12.8	8.9	204	12.6	8.6	210	12.9	8.8	182	11.3	8.5	196	11.9	8.4	12.3	8.6
Ness.....	51	17.3	7.9	51	17.1	7.1	46	15.6	7.3	45	15.9	8.7	37	11.9	5.7	15.5	7.2
Norton.....	72	12.9	7.7	72	13.3	7.6	75	14.0	9.3	66	12.4	7.9	65	11.5	6.9	12.8	7.8
Osage.....	173	10.2	8.1	175	10.6	8.3	182	11.1	8.4	200	12.4	10.2	164	10.1	7.6	10.9	8.5
Osborne.....	61	15.3	6.6	75	19.4	9.6	63	16.6	7.5	49	12.7	5.9	46	11.9	5.5	15.2	7.0
Ottawa.....	81	13.1	9.0	67	11.2	7.5	71	11.8	7.3	66	11.0	7.3	72	11.8	9.1	11.8	7.9
Pawnee.....	85	13.0	8.7	73	11.4	8.1	83	13.2	9.9	80	12.9	10.2	73	10.5	7.2	12.2	8.7
Phillips.....	75	13.8	6.7	80	14.9	7.7	75	14.0	6.9	70	13.3	7.2	70	12.4	7.5	13.7	7.2
Pottawatomie.....	176	9.2	8.4	176	9.1	8.4	152	7.7	7.2	170	8.5	7.8	146	6.8	6.5	8.2	7.6
Pratt.....	94	10.0	6.3	153	16.2	9.9	116	12.3	7.7	95	10.2	6.8	121	12.5	7.7	12.3	7.7
Rawlins.....	49	18.5	8.6	33	12.9	8.6	50	20.0	10.0	31	12.8	6.9	35	13.9	6.4	15.7	8.0
Reno.....	699	11.0	7.8	721	11.4	8.0	692	10.9	7.6	692	10.9	7.8	685	10.6	7.6	11.0	7.7
Republic.....	71	14.1	5.8	72	14.7	7.0	68	14.1	5.8	82	17.1	7.4	80	16.1	7.5	15.2	6.7
Rice.....	135	13.1	9.9	110	10.9	7.9	140	13.9	9.9	118	11.7	8.4	121	12.0	8.4	12.3	8.9
Riley.....	281	4.5	6.1	287	4.2	5.6	317	4.5	6.0	329	4.6	6.6	312	4.4	6.3	4.4	6.1
Rooks.....	73	13.8	8.5	59	11.4	6.9	75	14.6	8.2	73	14.6	8.1	56	10.8	7.0	13.0	7.7
Rush.....	51	15.4	7.6	52	16.2	7.5	48	14.9	7.4	35	11.1	4.8	46	13.9	7.7	14.3	7.1
Russell.....	90	13.4	7.5	110	16.3	8.9	96	14.5	6.9	86	13.0	7.1	105	15.1	8.6	14.5	7.8
Saline.....	525	9.7	8.0	598	11.0	9.0	583	10.7	8.5	461	8.5	7.0	518	9.3	7.8	9.8	8.1
Scott.....	58	12.5	9.2	68	14.9	10.3	47	10.3	7.2	65	14.3	10.4	56	11.3	7.1	12.6	8.7
Sedgwick.....	3,751	8.0	8.2	3,875	8.1	8.3	3,836	7.9	8.0	3,898	7.9	8.0	3,920	7.9	7.9	8.0	8.1
Seward.....	134	5.7	7.3	131	5.7	6.9	137	6.0	7.3	144	6.3	7.7	134	5.8	7.6	5.9	7.3
Shawnee.....	1,644	9.5	8.3	1,652	9.5	8.2	1,756	10.1	8.7	1,660	9.4	8.1	1,641	9.2	7.7	9.5	8.2
Sheridan.....	31	11.9	7.6	23	9.2	6.0	33	13.1	7.3	31	12.7	8.2	35	13.7	7.1	12.1	7.2
Sherman.....	75	12.5	7.8	78	13.1	9.1	72	12.0	7.5	84	14.3	9.9	62	10.3	7.1	12.4	8.2
Smith.....	45	11.2	5.3	70	17.7	7.4	75	19.2	7.5	53	14.1	6.0	63	16.4	8.4	15.7	7.0
Stafford.....	63	14.2	7.9	71	16.2	8.5	56	12.9	7.4	53	12.2	6.4	68	15.3	8.8	14.2	7.7
Stanton.....	24	10.8	8.5	13	6.0	4.5	19	8.8	6.4	19	9.0	7.4	17	7.6	5.4	8.5	6.4
Stevens.....	43	8.1	7.1	53	10.5	8.6	43	8.5	6.9	41	8.0	7.1	52	9.1	8.0	8.8	7.5
Sumner.....	296	12.1	9.5	261	10.9	8.8	270	11.4	9.0	260	11.1	8.6	276	11.4	8.9	11.4	9.0
Thomas.....	68	9.1	7.4	71	9.7	7.4	94	12.9	10.2	69	9.4	7.8	87	11.0	8.1	10.4	8.2
Trego.....	56	18.7	9.0	44	15.0	7.3	41	14.2	6.9	49	16.8	8.6	47	15.7	8.2	16.1	8.1
Wabaunsee.....	79	11.5	9.2	68	9.9	7.7	58	8.4	6.8	51	7.4	6.2	76	10.8	8.8	9.6	7.7
Wallace.....	17	10.9	6.1	17	11.7	6.5	17	12.1	6.6	16	11.4	6.3	21	14.1	7.3	12.0	6.6
Washington.....	95	16.0	8.1	85	14.6	7.7	76	13.1	6.3	87	15.3	7.2	73	12.6	6.8	14.3	7.2
Wichita.....	28	12.2	8.3	15	6.8	5.1	20	9.3	5.8	29	13.8	10.1	22	9.8	7.0	10.4	7.2
Wilson.....	131	13.2	8.5	160	16.3	10.6	135	13.9	8.3	138	14.6	9.0	129	13.7	9.1	14.4	9.1
Woodson.....	58	16.5	9.1	49	14.8	8.5	66	20.1	10.7	60	18.5	11.5	49	14.8	9.2	16.9	9.7
Wyandotte.....	1,431	9.2	10.1	1,320	8.6	9.3	1,402	9.1	9.9	1,309	8.4	9.2	1,308	8.3	9.0	8.7	9.5
N.S.	n/a	n/a	n/a	7	n/a	n/a	n/a	n/a									
Peer Group																	
Frontier .....	1,230	13.6	7.7	1,222	13.9	7.7	1,208	14.0	7.5	1,135	13.3	7.6	1,414	12.4	7.3	n/a	n/a
Rural .....	3,580	12.9	8.1	3,502	12.8	8.1	3,505	12.9	8.0	3,326	12.3	7.9	2,883	12.1	7.7	n/a	n/a
Densely -Settled Rural ...	4,280	10.0	8.3	4,230	10.0	8.3	4,387	10.3	8.4	4,173	9.8	8.2	4,607	9.7	8.0	n/a	n/a
Semi-Urban .....	4,821	8.9	8.0	4,958	9.0	8.0	4,895	8.8	7.8	4,674	8.4	7.6	4,167	9.1	8.1	n/a	n/a
Urban .....	10,578	7.4	7.8	10,501	7.3	7.8	10,901	7.5	7.7	10,689	7.2	7.3	11,350	7.3	7.3	n/a	n/a

\* Rate per 1,000 population

† Rate per 1,000 standard U.S. 2000 population (see Technical Notes)

‡ See Technical Notes for Peer Group definition. 5-year rates cannot be computed for peer groups because peer group definitions changed in 2010.

Table 44  
Deaths by Number and Crude Rate\*  
By Selected City of Residence  
Kansas, 2006-2010

City of Residence	Year										5-Year Rate	
	2006		2007		2008		2009		2010			
	Number	Rate										
Abilene.....	74	11.5	96	15.2	109	17.0	96	15.3	94	13.7	14.5	
Andover.....	50	5.2	89	9.0	77	7.4	80	7.6	78	6.6	7.2	
Anthony.....	44	19.6	45	20.4	41	18.4	55	25.6	45	19.8	20.7	
Arkansas City.....	149	13.1	160	14.3	154	13.9	146	13.3	163	13.1	13.5	
Atchison.....	147	14.5	145	14.4	136	13.1	129	12.4	136	12.3	13.3	
Augusta.....	98	11.3	96	11.1	113	13.0	122	14.0	106	11.4	12.1	
Baldwin City.....	51	12.3	40	9.5	32	7.4	33	7.5	45	10.0	9.3	
Baxter Springs.....	58	13.7	53	12.6	60	14.4	59	14.2	68	16.0	14.2	
Bel Aire.....	39	5.9	29	4.3	45	6.5	54	7.9	60	8.9	6.7	
Belleville.....	41	21.5	47	25.2	46	25.1	48	26.3	55	27.6	25.1	
Beloit.....	68	18.7	45	12.3	61	16.8	62	16.9	58	15.1	16.0	
Bonner Springs.....	56	7.9	71	10.0	62	8.7	46	6.3	66	9.0	8.4	
Burlington.....	45	16.5	33	12.5	41	15.3	36	13.5	39	14.6	14.5	
Chanute.....	129	14.5	137	15.5	129	14.6	95	10.9	123	13.5	13.8	
Cherryvale.....	39	17.2	35	15.5	42	18.6	23	10.2	43	18.2	16.0	
Clay Center.....	71	16.4	74	17.0	79	17.8	67	15.3	70	16.2	16.5	
Coffeyville.....	170	16.4	164	15.8	147	14.3	160	15.6	176	17.1	15.8	
Colby.....	57	11.6	56	11.6	72	15.0	53	11.0	62	11.5	12.1	
Columbus.....	60	18.5	67	20.8	66	20.7	56	17.6	49	14.8	18.5	
Concordia.....	81	15.3	97	18.8	98	18.8	105	20.6	68	12.6	17.2	
Derby.....	125	5.9	159	7.2	130	5.8	123	5.4	163	7.4	6.3	
De Soto.....	36	6.9	36	6.7	37	6.8	39	7.1	40	7.0	6.9	
Dodge City.....	147	5.6	168	6.5	181	7.0	174	6.7	196	7.2	6.6	
Edwardsville.....	39	8.6	61	13.7	59	13.2	38	8.4	39	9.0	10.6	
El Dorado.....	182	14.3	169	13.4	156	12.4	164	13.0	190	14.6	13.5	
Ellinwood.....	26	13.0	25	12.2	31	15.2	27	13.7	33	15.5	13.9	
Ellsworth.....	34	11.8	29	10.1	40	14.0	42	14.9	51	16.3	13.5	
Emporia.....	214	8.2	226	8.5	205	7.8	202	8.1	202	8.1	8.1	
Eudora.....	41	6.8	40	6.6	49	7.9	44	7.0	36	5.9	6.8	
Eureka.....	55	20.8	54	20.7	51	19.9	35	14.1	50	19.0	19.0	
Fairway.....	30	7.8	27	7.0	21	5.5	21	5.4	27	7.0	6.5	
Fort Scott.....	139	17.4	109	13.8	138	17.4	113	14.2	118	14.6	15.5	
Frederia.....	39	15.8	58	23.9	44	18.4	45	19.3	31	12.5	17.9	
Frontenac.....	46	14.8	41	12.8	51	16.0	41	12.8	57	16.6	14.6	
Galena.....	49	15.5	55	17.4	53	17.0	36	11.5	64	20.7	16.4	
Garden City.....	157	5.8	141	5.3	166	5.8	170	6.0	162	6.1	5.8	
Gardner.....	79	5.1	68	4.1	91	5.2	88	4.9	82	4.3	4.7	
Garnett.....	57	17.4	45	14.0	46	14.3	50	15.8	60	17.6	15.8	
Girard.....	36	13.5	47	17.1	46	16.9	32	11.8	45	16.1	15.1	
Goodland.....	59	13.5	68	15.6	60	13.7	77	18.0	51	11.4	14.4	
Great Bend.....	171	11.0	167	10.7	218	14.0	180	11.5	169	10.6	11.6	
Hays.....	151	7.7	181	9.0	184	9.0	165	8.1	156	7.6	8.3	
Haysville.....	82	8.2	87	8.5	90	8.7	89	8.5	92	8.5	8.5	
Herington.....	40	16.2	35	14.5	39	15.9	45	18.8	39	15.4	16.1	
Hesston.....	53	14.5	51	13.8	36	9.6	46	12.0	40	10.8	12.1	
Hiawatha.....	78	24.1	67	21.0	46	14.5	47	14.8	33	10.4	17.0	
Hillsboro.....	39	14.4	46	17.3	45	17.1	51	19.5	37	12.4	16.0	
Hoisington.....	49	17.3	37	12.8	38	13.2	39	13.9	37	13.7	14.2	
Holton.....	69	20.5	45	13.6	62	19.0	57	17.3	44	13.2	16.7	
Hugoton.....	31	8.7	43	12.6	35	10.3	32	9.3	47	12.0	10.6	
Hutchinson.....	508	12.4	519	12.8	489	12.0	479	11.7	500	11.9	12.1	
Independence.....	147	15.8	132	14.2	143	15.5	122	13.3	123	13.0	14.3	
Iola.....	92	15.4	92	15.7	82	14.2	77	13.5	81	14.2	14.6	
Junction City.....	147	9.1	133	8.5	180	8.7	176	8.4	166	7.1	8.3	
Kansas City.....	1,325	9.2	1,176	8.3	1,269	8.9	1,178	8.2	1,184	8.1	8.5	

**Table 44**  
**Deaths by Number and Crude Rate\***  
**By Selected City of Residence**  
**Kansas, 2006-2010**

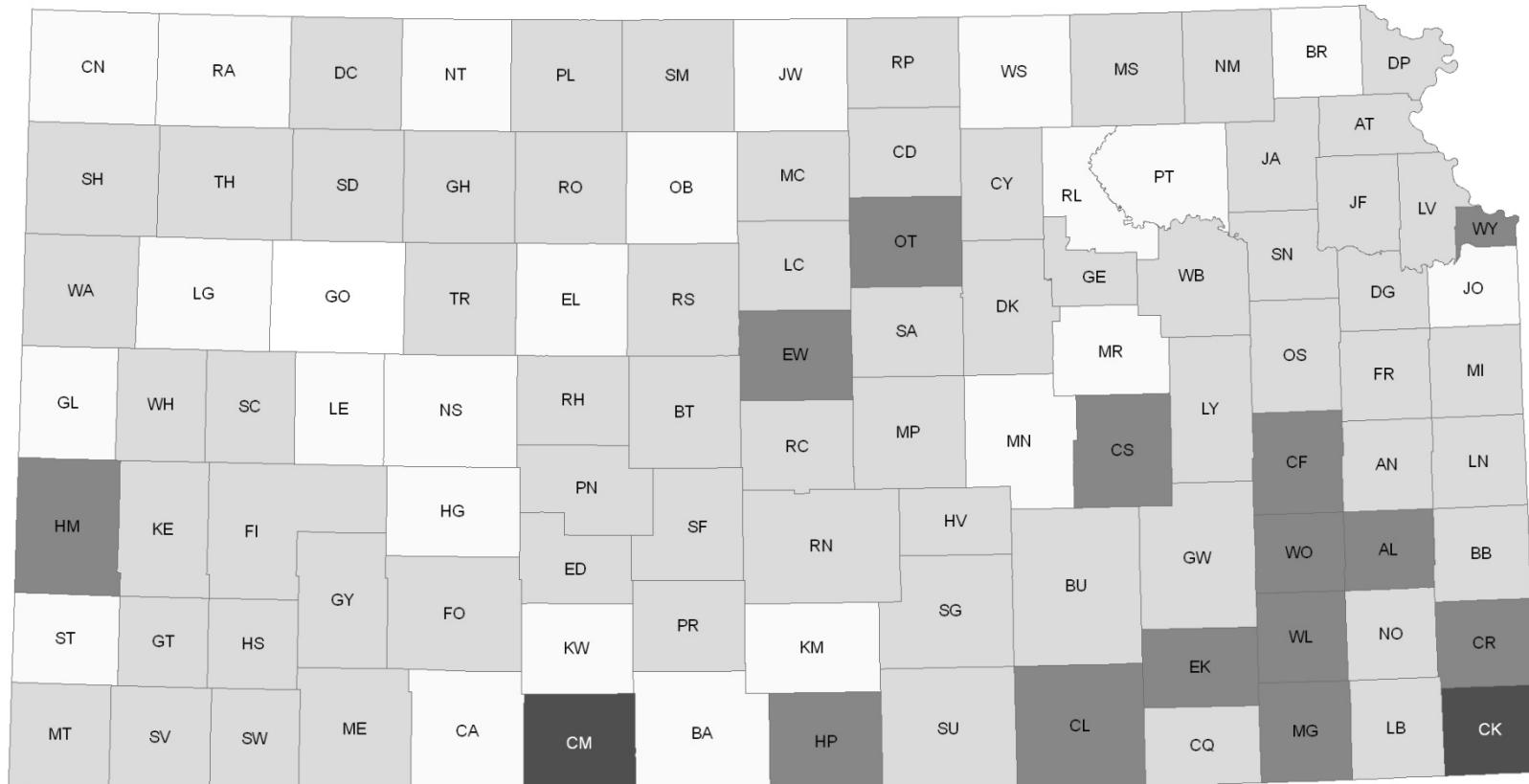
City of Residence	Year										5-Year Rate	
	2006		2007		2008		2009		2010			
	Number	Rate										
Kingman.....	49	15.8	63	20.6	39	13.0	48	16.4	41	12.9	15.7	
Lansing.....	71	6.6	59	5.5	65	6.1	67	6.2	71	6.3	6.2	
Larned.....	66	17.7	57	15.5	54	15.0	60	16.9	55	13.6	15.7	
Lawrence.....	439	5.0	433	4.8	399	4.4	434	4.7	482	5.5	4.9	
Leavenworth.....	259	7.4	261	7.5	260	7.5	262	7.5	256	7.3	7.4	
Leawood.....	219	7.1	192	6.2	198	6.3	231	7.3	217	6.8	6.7	
Lenexa.....	244	5.5	286	6.3	341	7.3	282	5.9	287	6.0	6.2	
Liberal.....	124	6.1	122	6.1	124	6.2	129	6.4	118	5.7	6.1	
Lindsborg.....	40	12.2	48	14.7	49	15.1	36	11.2	54	15.6	13.8	
Louisburg.....	25	6.9	44	11.6	46	11.7	30	7.7	40	9.3	9.5	
Lyons.....	51	14.6	56	16.1	56	16.5	45	13.2	55	14.7	15.0	
McPherson.....	160	11.8	145	10.8	151	11.3	138	10.4	130	9.9	10.8	
Manhattan .....	219	4.3	225	4.4	261	5.0	261	4.9	252	4.8	4.7	
Marysville.....	54	17.2	46	14.8	44	14.1	51	16.4	61	18.5	16.2	
Medicine Lodge.....	20	9.8	36	18.3	27	14.1	28	14.9	16	8.0	12.9	
Merriam.....	109	10.1	131	12.1	119	11.0	106	9.5	116	10.5	10.7	
Mission.....	80	8.2	85	8.7	83	8.5	80	8.1	70	7.5	8.2	
Mission Hills.....	27	7.7	14	4.0	21	5.9	17	4.7	15	4.3	5.3	
Mulvane .....	49	8.5	61	10.5	52	8.9	63	10.7	58	9.5	9.6	
Neodesha.....	42	15.8	57	21.5	52	19.7	38	14.8	44	17.7	17.9	
Newton.....	214	11.8	198	11.0	206	11.4	171	9.3	236	12.3	11.2	
Norton.....	56	20.3	53	19.8	54	20.4	42	15.8	49	16.7	18.6	
Olathe.....	543	4.7	526	4.5	597	5.0	560	4.6	547	4.3	4.6	
Osage City.....	59	20.0	40	14.1	50	17.7	56	20.2	40	13.6	17.1	
Osawatomie.....	53	11.6	52	11.5	49	10.9	55	12.1	71	16.0	12.4	
Ottawa.....	148	11.6	126	9.8	145	11.3	135	10.5	136	10.8	10.8	
Overland Park.....	1,108	6.6	1,030	6.1	1,112	6.5	1,021	5.8	1,156	6.7	6.3	
Paola.....	69	12.9	62	11.5	70	13.1	50	9.4	69	12.3	11.8	
Park City.....	23	3.1	23	3.0	32	4.1	24	3.0	18	2.5	3.1	
Parsons.....	167	14.9	153	13.8	166	15.0	148	13.5	140	13.3	14.1	
Phillipsburg.....	37	15.4	39	16.4	40	16.9	29	12.3	40	15.5	15.3	
Pittsburg.....	222	11.6	239	12.2	200	10.2	153	7.8	201	9.9	10.3	
Plainville.....	35	18.8	27	14.8	27	14.8	36	20.5	27	14.2	16.6	
Prairie Village.....	227	10.6	200	9.3	210	9.8	190	8.8	194	9.0	9.5	
Pratt.....	85	13.3	122	19.0	96	15.0	73	11.6	104	15.2	14.8	
Roeland Park.....	51	7.3	38	5.5	47	6.8	40	5.7	42	6.2	6.3	
Rose Hill.....	24	6.1	34	8.6	27	6.7	30	7.3	31	7.9	7.3	
Russell.....	64	15.0	75	17.5	67	15.9	64	15.3	76	16.9	16.1	
Sabetha.....	54	21.4	61	24.5	47	18.9	33	13.5	45	17.5	19.2	
Salina.....	476	10.3	541	11.6	538	11.6	413	8.9	464	9.7	10.4	
Scott City.....	52	14.8	63	18.0	41	11.7	60	17.2	48	12.6	14.8	
Shawnee.....	277	4.7	316	5.3	339	5.6	321	5.2	375	6.0	5.4	
South Hutchinson.....	54	21.7	58	22.8	66	25.9	73	28.7	45	18.3	23.5	
Spring Hill.....	32	6.6	32	6.3	32	6.1	32	6.1	39	7.2	6.5	
Sterling.....	31	12.2	18	7.1	43	17.0	24	10.3	22	9.5	11.2	
Tonganoxie.....	45	11.0	50	12.0	66	15.3	46	10.4	61	12.2	12.2	
Topeka.....	1,362	11.2	1,425	11.6	1,477	12.0	1,377	11.1	1,371	10.8	11.3	
Ulysses.....	52	9.2	51	9.1	44	7.9	34	6.2	47	7.6	8.0	
Valley Center.....	38	6.4	39	6.2	58	8.9	53	8.0	53	7.8	7.5	
Wamego.....	56	13.2	48	11.2	32	7.4	40	9.1	39	8.9	10.0	
Wellington.....	111	13.9	109	14.0	106	13.7	97	12.6	99	12.1	13.3	
Wichita.....	3,118	8.7	3,186	8.8	3,153	8.6	3,164	8.5	3,203	8.4	8.6	
Winfield.....	153	13.0	159	13.8	161	14.0	167	15.0	169	13.7	13.9	

\*Rate per 1,000 population. 2006-2009 are based on US Census Bureau Estimates; 2010 is based on actual Census counts.

# Age-Adjusted Death Rates By County of Residence

Kansas, 2010

96



Deaths Per 1,000 Population

Legend

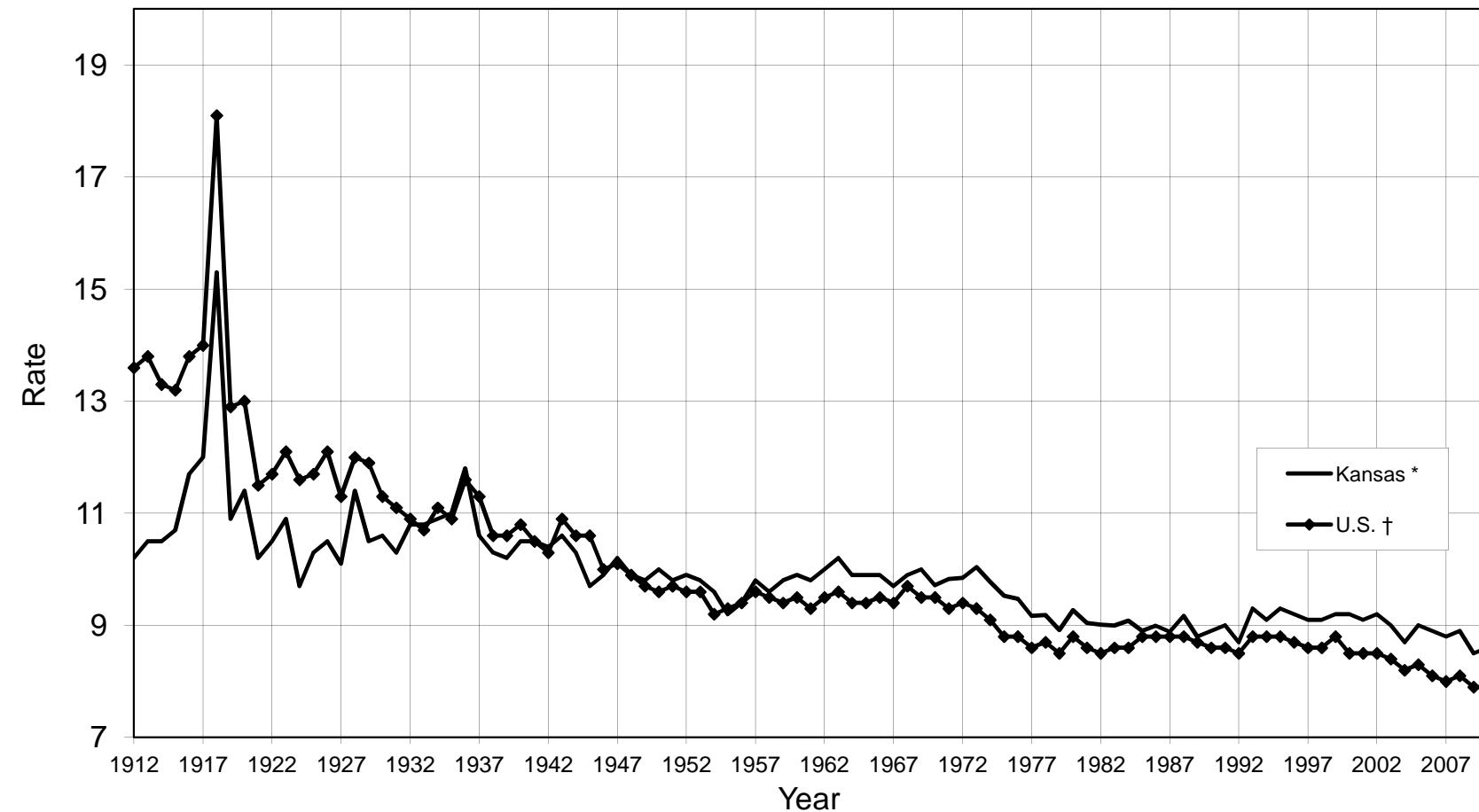
State Rate: 7.6

Under 7.0    7.0 - 8.9    9.0 - 9.9    10.0 - 11.1

Figure 25

# Crude Death Rates

Kansas and the U.S., 1912-2010



\*1912-1936 Occurrence data

1937-2010 Residence data

†2009-2010 Rates Provisional

Rate per 1,000 Population

Figure 26

**Table 45**  
**Stillbirths by Cause of Death and Weeks Gestation**  
**Kansas, 2010**

Cause of Death (ICD-10 Code)	Total Stillbirths	Weeks Gestation					N.S.
		Under 20	20-31	32-41	42 & Over		
All Causes.....	168	3	76	87	1		1
Certain Conditions Originating in the Perinatal Period (P00-P96).....	139	3	62	72	1		1
-Fetus Affected by Maternal Conditions (P00).....	14	0	6	8	0		0
-Fetus Affected by Maternal Complications of Pregnancy (P01).....	11	0	9	2	0		0
-Fetus Affected by Complications of Placenta, Cord & Membrane (P02).....	46	2	18	25	0		1
-Fetus Affected by Complications of Labor & Delivery (P03).....	2	0	1	0	1		0
-Disorders Related to Short Gestation & Low Birth Weight (P07).....	1	0	1	0	0		0
-Hypoxia and Birth Asphyxia (P20-P21).....	1	0	0	1	0		0
-Cardiovascular Disorders (P29).....	0	0	0	0	0		0
-Hemorrhagic & Hematologic Disorders of Fetus (P50-P54, P56).....	0	0	0	0	0		0
-Unspecified Cause (P95).....	57	1	24	32	0		0
-Other Perinatal Conditions (P04-P05, P08-P15, P22-P28, P35-P39, P55, P57-P94, P96).....	7	0	3	4	0		0
Congenital Anomalies (Q00-Q99).....	26	0	11	15	0		0
All other Causes	3	0	3	0	0		0

**Table 46**  
**Perinatal Period III Deaths by Component**  
**Kansas, 1991-2010**

Year	Stillbirths	Hebdomadal Deaths	Perinatal Period III Deaths	
			Number	Rate*
1991.....	205	158	363	9.6
1992.....	216	165	381	10.0
1993.....	222	171	393	10.5
1994.....	231	140	371	9.9
1995.....	183	134	317	8.5
1996.....	179	157	336	9.2
1997.....	202	147	349	9.3
1998.....	199	132	331	8.6
1999.....	175	159	334	8.6
2000.....	177	146	323	8.1
2001.....	209	148	357	9.1
2002.....	146	155	301	7.6
2003.....	206	138	344	8.7
2004.....	186	144	330	8.3
2005.....	194	153	347	8.7
2006.....	192	137	329	8.0
2007.....	186	163	349	8.3
2008.....	182	160	342	8.1
2009.....	213	144	357	8.6
2010.....	168	143	311	7.7

\*Rate per 1,000 live births + stillbirths

Table 47  
 Perinatal Period III Deaths by Component  
 By County of Residence  
 Kansas, 2010

County of Residence	Total	Perinatal Period III Deaths		County of Residence	Total	Perinatal Period III Deaths	
		Stillbirths	Hebdomadal Deaths			Stillbirths	Hebdomadal Deaths
Kansas.....	311	168	143				
Allen.....	0	0	0	Lyon.....	4	3	1
Anderson.....	1	1	0	McPherson.....	2	1	1
Atchison.....	0	0	0	Marion.....	3	1	2
Barber.....	1	1	0	Marshall.....	1	1	0
Barton.....	3	1	2	Meade.....	0	0	0
Bourbon.....	1	0	1	Miami.....	2	1	1
Brown.....	1	1	0	Mitchell.....	1	0	1
Butler.....	6	2	4	Montgomery.....	2	2	0
Chase.....	0	0	0	Morris.....	0	0	0
Chautauqua.....	0	0	0	Morton.....	0	0	0
Cherokee.....	2	1	1	Nemaha.....	0	0	0
Cheyenne.....	0	0	0	Neosho.....	3	0	3
Clark.....	0	0	0	Ness.....	0	0	0
Clay.....	0	0	0	Norton.....	1	1	0
Cloud.....	1	1	0	Osage.....	0	0	0
Coffey.....	2	1	1	Osborne.....	0	0	0
Comanche.....	0	0	0	Ottawa.....	1	0	1
Cowley.....	7	4	3	Pawnee.....	0	0	0
Crawford.....	4	3	1	Phillips.....	1	1	0
Decatur.....	0	0	0	Pottawatomie.....	1	1	0
Dickinson.....	5	4	1	Pratt.....	1	0	1
Doniphan.....	1	1	0	Rawlins.....	1	0	1
Douglas.....	7	4	3	Reno.....	7	3	4
Edwards.....	0	0	0	Republic.....	1	1	0
Elk.....	0	0	0	Rice.....	0	0	0
Ellis.....	0	0	0	Riley.....	6	4	2
Ellsworth.....	0	0	0	Rooks.....	3	3	0
Finney.....	10	8	2	Rush.....	0	0	0
Ford.....	7	4	3	Russell.....	2	0	2
Franklin.....	2	1	1	Saline.....	8	5	3
Geary.....	9	6	3	Scott.....	1	1	0
Gove.....	0	0	0	Sedgwick.....	61	29	32
Graham.....	0	0	0	Seward.....	5	4	1
Grant.....	1	1	0	Shawnee.....	25	11	14
Gray.....	0	0	0	Sheridan.....	0	0	0
Greeley.....	0	0	0	Sherman.....	1	1	0
Greenwood.....	0	0	0	Smith.....	0	0	0
Hamilton.....	0	0	0	Stafford.....	1	1	0
Harper.....	0	0	0	Stanton.....	0	0	0
Harvey.....	5	3	2	Stevens.....	0	0	0
Haskell.....	2	1	1	Sumner.....	2	2	0
Hodgeman.....	0	0	0	Thomas.....	0	0	0
Jackson.....	3	2	1	Trego.....	0	0	0
Jefferson.....	3	0	3	Wabaunsee.....	1	1	0
Jewell.....	0	0	0	Wallace.....	0	0	0
Johnson.....	42	23	19	Washington.....	0	0	0
Kearny.....	1	1	0	Wichita.....	0	0	0
Kingman.....	0	0	0	Wilson.....	1	0	1
Kiowa.....	0	0	0	Woodson.....	1	0	1
Labette.....	4	0	4	Wyandotte.....	20	9	11
Lane.....	0	0	0				
Leavenworth.....	9	6	3				
Lincoln.....	0	0	0				
Linn.....	0	0	0				
Logan.....	1	0	1				

**Table 48**  
**Infant Mortality Rates\***  
**By Population Group**  
**Kansas, 1991-2010**

Year	White Non-Hispanic <sup>†</sup>			Black Non-Hispanic <sup>†</sup>			Hispanic Any Race			Total Infant Death Rate: All Races <sup>‡</sup>
	Live Births	Infant Deaths	Rate	Live Births	Infant Deaths	Rate	Live Births	Infant Deaths	Rate	
1991 .....	31,453	245	7.8	3,137	62	19.8	1,990	25	12.6	9.0
1992 .....	31,294	234	7.5	3,291	72	21.9	2,223	19	8.5	8.8
1993 .....	30,650	224	7.3	3,206	76	23.7	2,305	18	7.8	8.7
1994 .....	30,453	215	7.1	3,101	49	15.8	2,656	15	5.6	7.6
1995 .....	30,221	184	6.1	2,850	51	17.9	2,812	17	6.0	6.9
1996 .....	29,473	212	7.2	2,738	63	23.0	3,198	18	5.6	8.2
1997 .....	29,659	189	6.4	2,766	46	16.6	3,525	29	8.2	7.4
1998 .....	30,389	209	6.9	2,746	27	9.8	3,873	25	6.5	6.9
1999 .....	30,362	215	7.1	2,815	42	14.9	4,204	15	3.6	7.3
2000 .....	30,538	192	6.3	2,822	33	11.7	4,742	32	6.7	6.7
2001 .....	29,703	190	6.4	2,745	54	19.7	4,875	36	7.4	7.3
2002 .....	29,811	187	6.3	2,845	44	15.5	5,006	40	8.0	7.2
2003 .....	29,482	172	5.8	2,730	40	14.7	5,417	45	8.3	6.7
2004 .....	29,624	200	6.8	2,782	46	16.5	5,458	28	5.1	7.2
2005 .....	28,903	181	6.3	2,670	45	16.9	6,073	52	8.6	7.5
2006 .....	29,392	181	6.2	2,801	49	17.5	6,568	41	6.2	7.2
2007 .....	30,170	205	6.8	2,856	56	19.6	6,676	56	8.4	7.9
2008 .....	29,863	184	6.2	2,936	39	13.3	6,781	57	8.4	7.2
2009 .....	29,471	178	6.0	2,830	44	15.5	6,790	40	5.9	7.0
2010 .....	29,000	142	4.9	2,780	33	11.9	6,407	50	7.8	6.3

\*Rate per 1,000 live births

<sup>†</sup>Due to changes in the collection of the race item on certificates, use caution when comparing 2005-2010 data to prior years. See Technical Notes.

<sup>‡</sup>Other non-Hispanic data is not given a separate column in this table due to the small numbers but is included in the total, and is available upon request.

**Infant Mortality Rates**  
**By Population Group**  
**Kansas, Five Year Rolling Averages, 1986-2010**

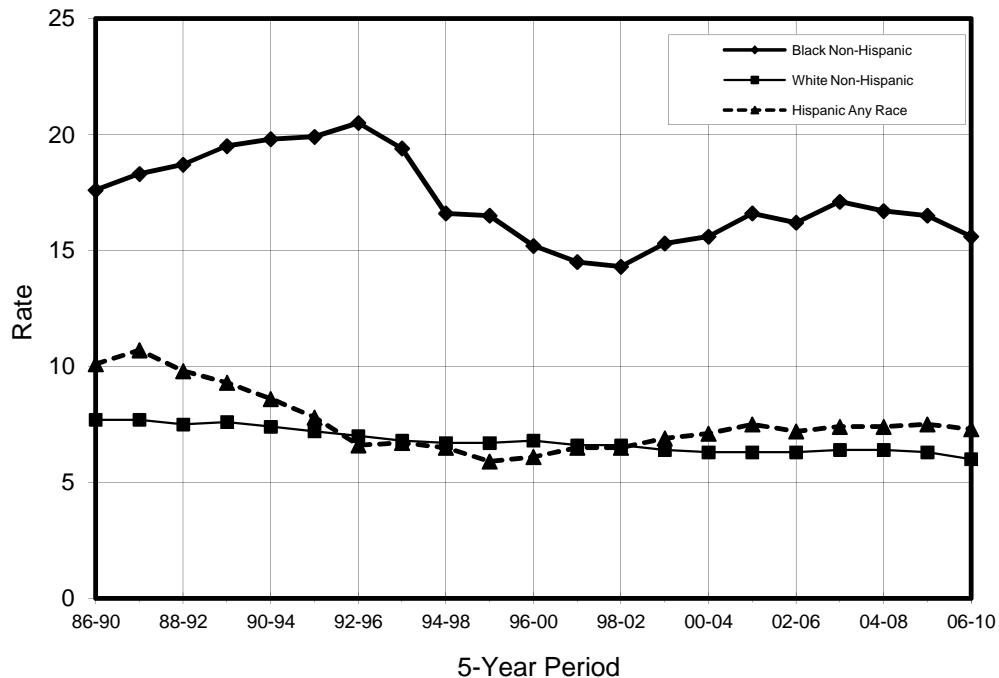


Figure 27

Table 49  
 Infant Deaths by County of Residence  
 And by Peer Group\*  
 Kansas, 2006-2010

**ERRATA see Page 198**

County of Residence	Year					Total Infant Deaths 2006-2010	Infant Death Rate <sup>†</sup> 2006-2010
	2006	2007	2008	2009	2010		
Kansas.....	293	333	303	290	253	1,472	7.1
Allen.....	2	4	1	1	0	8	9.3
Anderson.....	2	0	1	1	0	4	7.4
Atchison.....	3	1	1	2	1	8	7.3
Barber.....	0	1	0	0	0	1	3.1
Barton.....	6	3	2	1	3	15	7.9
Bourbon.....	2	1	3	1	2	9	7.8
Brown.....	1	1	3	0	0	5	7.0
Butler.....	1	6	6	3	8	24	5.9
Chase.....	0	0	0	0	0	0	0.0
Chautauqua.....	2	0	1	1	1	5	27.0
Cherokee.....	1	3	3	1	2	10	7.6
Cheyenne.....	0	0	0	1	0	1	8.4
Clark.....	0	0	0	0	0	0	0.0
Clay.....	1	1	1	3	1	7	12.5
Cloud.....	0	3	5	0	1	9	14.1
Coffey.....	0	2	1	0	1	4	8.7
Comanche.....	0	0	0	0	0	0	0.0
Cowley.....	3	11	3	4	5	26	10.9
Crawford.....	7	7	3	2	2	21	7.9
Decatur.....	0	0	1	0	0	1	8.7
Dickinson.....	1	0	1	1	1	4	3.2
Doniphan.....	0	1	0	0	0	1	2.3
Douglas.....	6	10	12	1	4	33	5.2
Edwards.....	0	0	0	0	0	0	0.0
Elk.....	0	0	0	1	0	1	6.1
Ellis.....	1	0	1	1	1	4	2.1
Ellsworth.....	0	0	0	0	0	0	0.0
Finney.....	2	5	5	6	2	20	5.2
Ford.....	5	2	9	5	7	28	8.2
Franklin.....	3	4	3	1	1	12	6.8
Geary.....	7	6	11	10	9	43	10.4
Gove.....	1	0	0	0	0	1	6.3
Graham.....	0	0	0	1	0	1	7.8
Grant.....	1	2	1	0	0	4	5.7
Gray.....	1	0	0	1	0	2	4.2
Greeley.....	0	0	0	0	0	0	0.0
Greenwood.....	0	1	1	0	0	2	5.4
Hamilton.....	0	0	0	0	0	0	0.0
Harper.....	1	0	1	1	1	4	10.3
Harvey.....	4	2	2	4	3	15	6.5
Haskell.....	0	1	1	1	2	5	14.5
Hodgeman.....	0	0	0	0	0	0	0.0
Jackson.....	1	1	1	1	1	5	5.9
Jefferson.....	0	3	0	1	4	8	7.7
Jewell.....	1	0	0	0	0	1	7.2
Johnson.....	52	47	56	41	31	227	5.9
Kearny.....	0	1	0	1	0	2	6.6
Kingman.....	0	0	0	0	0	0	0.0
Kiowa.....	0	0	0	2	1	3	22.4
Labette.....	2	1	2	3	4	12	8.0
Lane.....	0	2	0	0	0	2	20.6
Leavenworth.....	8	3	4	5	4	24	5.0
Lincoln.....	1	1	0	0	0	2	10.4
Linn.....	2	0	0	0	0	2	3.7
Logan.....	0	0	0	1	1	2	14.3

Table 49  
Infant Deaths by County of Residence  
And by Peer Group\*  
Kansas, 2006-2010

**ERRATA see Page 198**

County of Residence	Year					Total Infant Deaths 2006-2010	Infant Death Rate† 2006-2010
	2006	2007	2008	2009	2010		
Lyon.....	3	4	3	5	4	19	7.6
McPherson.....	5	1	2	5	2	15	8.6
Marion.....	2	3	1	5	2	13	22.2
Marshall.....	1	0	1	1	1	4	6.6
Meade.....	0	2	0	0	0	2	7.1
Miami.....	2	3	1	2	4	12	6.1
Mitchell.....	0	0	2	1	1	4	11.8
Montgomery.....	5	2	1	2	0	10	4.1
Morris.....	0	0	0	0	0	0	0.0
Morton.....	0	1	0	0	0	1	4.3
Nemaha.....	2	1	1	1	0	5	7.8
Neosho.....	3	2	2	7	3	17	15.5
Ness.....	0	0	0	0	0	0	0.0
Norton.....	0	0	0	0	0	0	0.0
Osage.....	0	1	0	1	0	2	2.1
Osborne.....	0	1	0	0	0	1	5.1
Ottawa.....	1	1	0	0	1	3	8.6
Pawnee.....	0	2	0	1	0	3	8.2
Phillips.....	0	1	0	0	0	1	3.6
Pottawatomie.....	0	4	3	1	2	10	5.7
Pratt.....	0	0	1	1	1	3	4.8
Rawlins.....	0	0	1	0	1	2	16.9
Reno.....	11	6	6	7	7	37	8.9
Republic.....	1	1	0	0	0	2	8.4
Rice.....	0	1	0	0	1	2	3.3
Riley.....	4	6	5	12	4	31	5.8
Rooks.....	1	0	1	1	0	3	9.1
Rush.....	0	0	0	0	0	0	0.0
Russell.....	0	2	0	1	3	6	14.4
Saline.....	7	9	8	5	6	35	8.5
Scott.....	0	2	0	2	1	5	14.4
Sedgwick.....	57	76	55	69	60	317	7.8
Seward.....	7	2	6	0	2	17	6.4
Shawnee.....	18	25	22	25	16	106	8.3
Sheridan.....	1	0	0	0	0	1	7.2
Sherman.....	1	2	0	0	0	3	7.5
Smith.....	0	0	0	0	0	0	0.0
Stafford.....	1	0	0	0	0	1	4.1
Stanton.....	0	0	1	0	0	1	5.8
Stevens.....	1	0	1	0	0	2	4.4
Sumner.....	2	2	1	2	1	8	5.3
Thomas.....	0	0	5	3	0	8	14.8
Trego.....	0	1	0	0	0	1	6.7
Wabaunsee.....	0	1	0	0	0	1	2.4
Wallace.....	0	0	0	0	0	0	0.0
Washington.....	1	0	0	0	0	1	3.2
Wichita.....	0	0	1	0	0	1	6.0
Wilson.....	1	1	0	1	2	5	7.5
Woodson.....	0	0	1	0	1	2	10.7
Wyandotte.....	24	30	25	19	23	121	8.5
Peer Group							
Frontier .....	4	10	4	7	4	n/a	n/a
Rural .....	25	30	31	27	20	n/a	n/a
Densely -Settled Rural .....	45	47	45	43	47	n/a	n/a
Semi-Urban .....	62	58	53	58	44	n/a	n/a
Urban .....	157	188	170	155	138	n/a	n/a

\* See Technical Notes for Peer Group definition.

† Rate per 1,000 live births. Peer group 5-year rates not computed, as group definitions changed in 2010.

Table 50  
Infant Deaths by Cause of Death and Age-Group of Infant  
Kansas, 2010

Cause of Death (ICD-10 Code)	Age-Group of Infant						
	Under 1 Day	1-6 Days	Under 7 Days *	7-27 Days	Under 28 Days †	28-364 Days	Under 1 Year
All Causes.....	119	24	143	27	170	83	253
Infectious and Parasitic Diseases (A00-B99).....	0	0	0	0	0	3	3
Other Diseases and Disorders (C00-O99).....	1	3	4	3	7	14	21
Certain Conditions Originating in the Perinatal Period (P00-P96).....	88	11	99	7	106	5	111
-Maternal Factors and Compl. of Pregnancy, Labor and Delivery (P00-P04).....	32	2	34	1	35	0	35
-Disorders Relating to Short Gestation and Low Birth Weight (P07).....	38	0	38	0	38	1	39
-Birth Trauma (P10-P15).....	0	0	0	0	0	0	0
-Hypoxia and Birth Asphyxia (P20-P21).....	1	1	2	0	2	0	2
-Respiratory Distress of Newborn (P22).....	2	0	2	0	2	1	3
-Congenital Pneumonia (P23).....	0	0	0	0	0	0	0
-Other Respiratory Conditions of Newborn (P24-P28).....	5	1	6	0	6	1	7
-Bacterial Sepsis of Newborn (P36).....	2	1	3	1	4	0	4
-Omphalitis of Newborn w/wo Mild Hemorrhage (P38).....	0	0	0	0	0	0	0
-Hemorrhagic and Hematolog. Disorders of Fetus and Newborn (P50-P61).....	0	1	1	1	2	0	2
-Other Perinatal Conditions (P05, P08, P29, P35, P37, P39, P70-P96).....	8	5	13	4	17	2	19
Congenital Anomalies (Q00-Q99).....	28	9	37	14	51	15	66
Symptoms and Abnormal Findings (R00-R99).....	1	1	2	1	3	33	36
-Sudden Infant Death Syndrome (R95).....	0	1	1	0	1	25	26
-Other (R00-R94, R96-R99).....	1	0	1	1	2	8	10
External Causes of Mortality (V01-Y89).....	1	0	1	2	3	13	16

\* Hebdomadal Deaths

† Neonatal Deaths

## Infant Deaths by Component

Kansas, 1991-2010

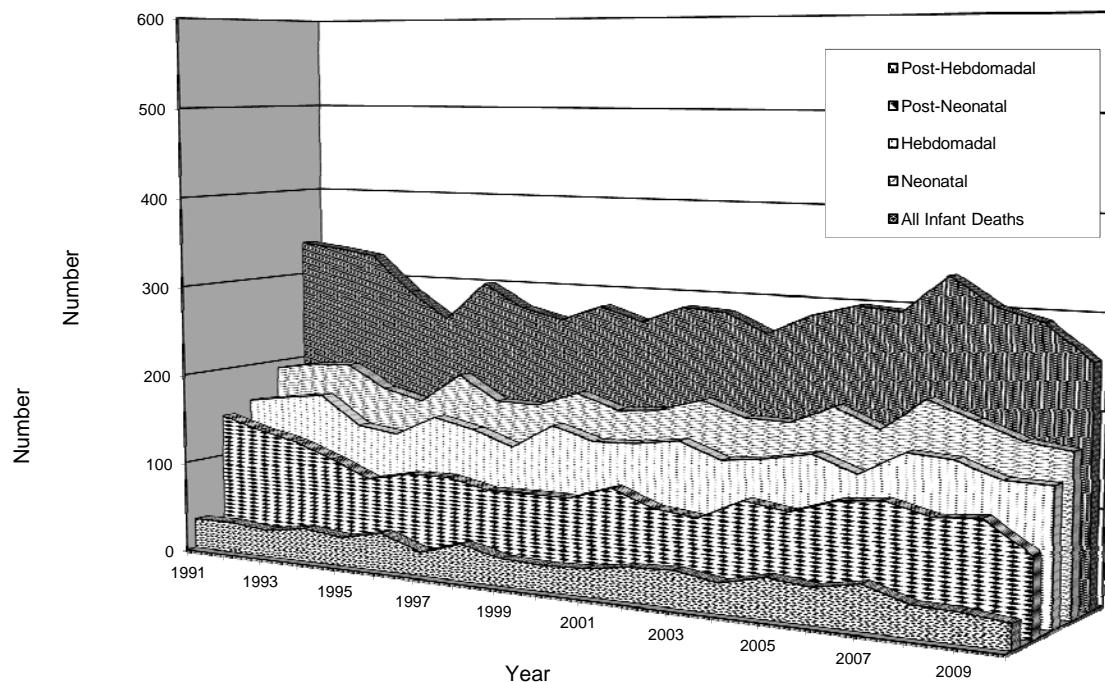


Figure 28

## Pregnancy Associated Deaths\*

Kansas, 2006-2010

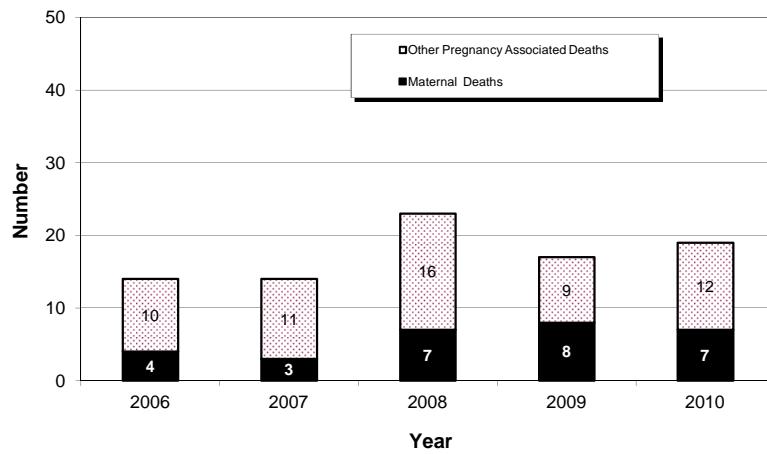


Figure 29

\*See Technical Notes for Pregnancy Associated Deaths and Maternal Mortality definitions

Table 51  
 Infant Deaths by Component  
 By County of Residence  
 Kansas, 2010

County of Residence	Hebdomadal Deaths Under 7 Days	Post-Hebdomadal Deaths 7-27 Days	Neonatal Deaths Under 28 Days	Post-Neonatal Deaths 28-364 Days	Total Infant Deaths Under 1 Year
Kansas.....	143	27	170	83	253
Allen.....	0	0	0	0	0
Anderson.....	0	0	0	0	0
Atchison.....	0	0	0	1	1
Barber.....	0	0	0	0	0
Barton.....	2	0	2	1	3
Bourbon.....	1	1	2	0	2
Brown.....	0	0	0	0	0
Butler.....	4	1	5	3	8
Chase.....	0	0	0	0	0
Chautauqua.....	0	1	1	0	1
Cherokee.....	1	1	2	0	2
Cheyenne.....	0	0	0	0	0
Clark.....	0	0	0	0	0
Clay.....	0	0	0	1	1
Cloud.....	0	0	0	1	1
Coffey.....	1	0	1	0	1
Comanche.....	0	0	0	0	0
Cowley.....	3	1	4	1	5
Crawford.....	1	0	1	1	2
Decatur.....	0	0	0	0	0
Dickinson.....	1	0	1	0	1
Doniphan.....	0	0	0	0	0
Douglas.....	3	0	3	1	4
Edwards.....	0	0	0	0	0
Elk.....	0	0	0	0	0
Ellis.....	0	0	0	1	1
Ellsworth.....	0	0	0	0	0
Finney.....	2	0	2	0	2
Ford.....	3	1	4	3	7
Franklin.....	1	0	1	0	1
Geary.....	3	0	3	6	9
Gove.....	0	0	0	0	0
Graham.....	0	0	0	0	0
Grant.....	0	0	0	0	0
Gray.....	0	0	0	0	0
Greeley.....	0	0	0	0	0
Greenwood.....	0	0	0	0	0
Hamilton.....	0	0	0	0	0
Harper.....	0	0	0	1	1
Harvey.....	2	1	3	0	3
Haskell.....	1	1	2	0	2
Hodgeman.....	0	0	0	0	0
Jackson.....	1	0	1	0	1
Jefferson.....	3	0	3	1	4
Jewell.....	0	0	0	0	0
Johnson.....	19	3	22	9	31
Kearny.....	0	0	0	0	0
Kingman.....	0	0	0	0	0
Kiowa.....	0	0	0	1	1
Labette.....	4	0	4	0	4
Lane.....	0	0	0	0	0
Leavenworth.....	3	0	3	1	4
Lincoln.....	0	0	0	0	0
Linn.....	0	0	0	0	0
Logan.....	1	0	1	0	1

**Table 51**  
**Infant Deaths by Component**  
**By County of Residence**  
**Kansas, 2010**

County of Residence	Hebdomadal Deaths Under 7 Days	Post-Hebdomadal Deaths 7-27 Days	Neonatal Deaths Under 28 Days	Post-Neonatal Deaths 28-364 Days	Total Infant Deaths Under 1 Year
Lyon.....	1	0	1	3	4
McPherson.....	1	1	2	0	2
Marion.....	2	0	2	0	2
Marshall.....	0	0	0	1	1
Meade.....	0	0	0	0	0
Miami.....	1	0	1	3	4
Mitchell.....	1	0	1	0	1
Montgomery.....	0	0	0	0	0
Morris.....	0	0	0	0	0
Morton.....	0	0	0	0	0
Nemaha.....	0	0	0	0	0
Neosho.....	3	0	3	0	3
Ness.....	0	0	0	0	0
Norton.....	0	0	0	0	0
Osage.....	0	0	0	0	0
Osborne.....	0	0	0	0	0
Ottawa.....	1	0	1	0	1
Pawnee.....	0	0	0	0	0
Phillips.....	0	0	0	0	0
Pottawatomie.....	0	1	1	1	2
Pratt.....	1	0	1	0	1
Rawlins.....	1	0	1	0	1
Reno.....	4	1	5	2	7
Republic.....	0	0	0	0	0
Rice.....	0	0	0	1	1
Riley.....	2	0	2	2	4
Rooks.....	0	0	0	0	0
Rush.....	0	0	0	0	0
Russell.....	2	1	3	0	3
Saline.....	3	0	3	3	6
Scott.....	0	0	0	1	1
Sedgwick.....	32	8	40	20	60
Seward.....	1	0	1	1	2
Shawnee.....	14	0	14	2	16
Sheridan.....	0	0	0	0	0
Sherman.....	0	0	0	0	0
Smith.....	0	0	0	0	0
Stafford.....	0	0	0	0	0
Stanton.....	0	0	0	0	0
Stevens.....	0	0	0	0	0
Sumner.....	0	0	0	1	1
Thomas.....	0	0	0	0	0
Trego.....	0	0	0	0	0
Wabaunsee.....	0	0	0	0	0
Wallace.....	0	0	0	0	0
Washington.....	0	0	0	0	0
Wichita.....	0	0	0	0	0
Wilson.....	1	0	1	1	2
Woodson.....	1	0	1	0	1
Wyandotte.....	11	4	15	8	23

Table 52  
Age-Specific Death Rates\* by Sex  
Kansas, 1991-2010

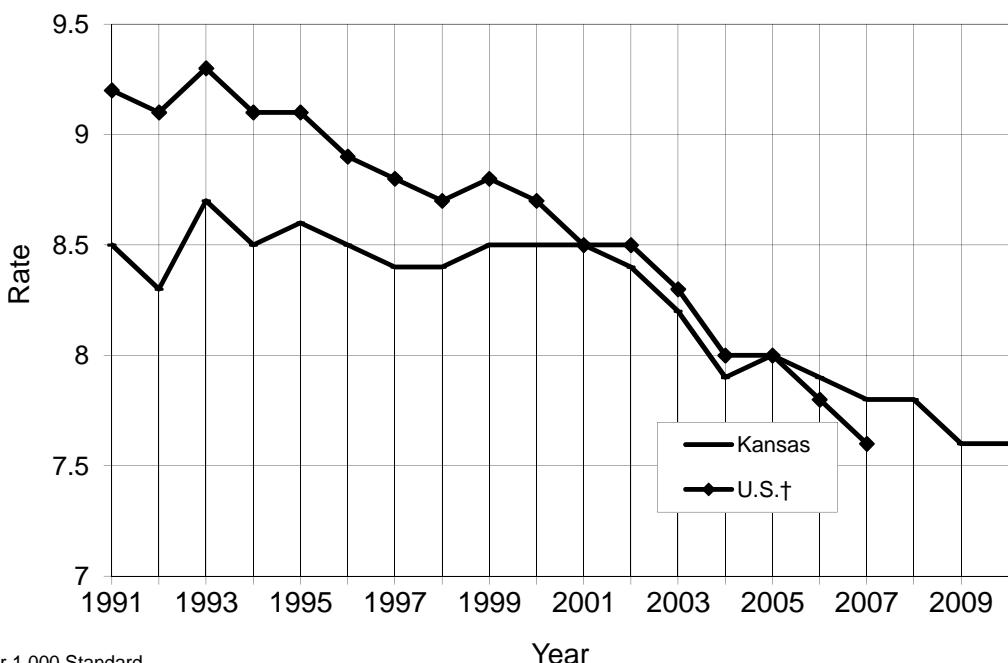
Age-Group and Sex	Year																				
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
<b>Both Sexes</b>																					
Total.....	9.0	8.7	9.2	9.0	9.2	9.2	9.0	9.1	9.2	9.2	9.1	9.2	9.0	8.7	9.0	8.9	8.8	8.9	8.5	8.6	
Under 1.....	9.1	8.9	8.9	7.8	7.1	8.4	7.5	7.1	7.5	7.0	7.5	7.4	6.8	7.3	7.7	7.4	8.2	7.1	7.0	6.2	
1-4.....	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.4	0.3	0.4	
5-14.....	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	
15-24.....	1.0	0.9	0.9	1.0	0.9	1.0	0.9	0.8	0.8	0.8	0.9	0.9	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.8	
25-34.....	1.2	1.0	1.1	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	1.0	0.9	1.1	0.9	0.9	1.1	1.1	
35-44.....	1.6	1.7	1.6	1.7	1.7	1.7	1.7	1.6	1.7	1.8	1.8	2.0	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6	
45-54.....	4.0	3.8	3.7	3.7	3.9	3.5	3.7	3.6	3.8	3.6	3.9	4.0	4.0	4.1	4.1	4.0	4.2	3.9	4.1	4.0	
55-64.....	10.6	10.0	10.4	9.6	9.8	10.1	9.7	9.4	9.9	9.3	9.6	9.1	9.0	8.6	8.9	8.6	8.3	8.6	8.6	8.5	
65-74.....	24.4	23.4	24.5	24.1	24.5	24.4	23.4	23.7	24.0	23.1	22.9	22.4	21.6	20.9	21.5	21.3	20.0	20.5	20.1	18.9	
75-84.....	55.0	53.6	57.2	55.5	55.9	54.2	54.4	54.1	54.7	55.9	55.7	55.7	54.6	52.8	54.0	53.5	53.4	53.2	50.1	48.4	
85 and over.....	144.9	142.8	153.3	150.2	154.9	153.4	152.3	154.3	154.2	160.5	154.5	154.6	149.7	140.4	142.3	137.8	138.0	138.6	133.4	144.8	
<b>Male</b>		9.2	8.8	9.3	9.0	9.2	9.1	9.1	8.9	8.9	8.8	8.8	8.5	8.3	8.7	8.5	8.6	8.7	8.4	8.6	
Under 1.....	10.5	9.8	9.0	9.0	7.7	9.4	8.3	7.7	8.7	7.5	8.4	7.6	8.0	8.1	8.1	8.3	9.0	7.8	7.0	7.2	
1-4.....	0.6	0.5	0.5	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.3	0.3	0.3	0.4	0.4	0.4	
5-14.....	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
15-24.....	1.3	1.2	1.3	1.4	1.2	1.4	1.3	1.3	1.2	1.2	1.3	1.2	1.0	1.0	1.0	1.0	1.1	1.2	0.9	1.1	
25-34.....	1.6	1.4	1.6	1.8	1.6	1.6	1.4	1.5	1.3	1.3	1.3	1.2	1.1	1.2	1.3	1.3	1.3	1.5	1.5	1.5	
35-44.....	2.1	2.2	2.1	2.1	2.3	2.3	2.0	2.2	2.0	2.1	2.2	2.5	2.3	2.2	2.2	2.1	2.0	2.1	2.0	2.0	
45-54.....	4.9	4.8	4.7	4.7	4.9	4.3	4.7	4.6	4.6	4.5	4.9	4.9	4.8	5.2	5.1	5.1	5.1	4.9	4.9	5.1	
55-64.....	13.8	13.0	13.1	12.2	12.3	12.3	12.3	11.5	11.9	11.1	11.9	11.1	11.1	10.6	10.9	10.3	10.2	10.7	10.8	10.6	
65-74.....	32.5	30.9	32.0	31.6	30.7	30.8	30.3	30.3	30.5	27.8	28.1	27.6	26.4	25.3	25.9	25.2	24.4	24.3	23.2	23.2	
75-84.....	74.7	69.1	75.9	70.2	73.4	70.3	71.0	68.0	67.8	70.3	69.2	67.3	65.3	62.0	64.5	65.0	65.1	64.8	59.6	58.3	
85 and over.....	172.1	171.4	179.9	176.6	179.4	178.3	175.1	173.6	170.2	187.4	179.6	174.5	163.6	148.4	156.1	149.3	153.9	156.8	156.8	161.9	
<b>Female</b>		8.7	8.7	9.2	9.1	9.3	9.2	9.0	9.2	9.4	9.5	9.4	9.6	9.4	9.0	9.2	9.2	9.0	9.1	8.6	8.5
Under 1.....	7.6	8.0	8.8	6.6	6.5	7.4	6.7	6.4	6.3	6.4	6.5	7.1	5.6	6.5	7.2	6.5	7.4	6.5	7.0	5.2	
1-4.....	0.4	0.5	0.3	0.4	0.3	0.5	0.2	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.2	0.4	0.2	0.3	0.3	
5-14.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	
15-24.....	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.4	0.4	
25-34.....	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.7	0.5	0.5	0.6	0.5	0.5	0.7	0.5	0.6	0.6	0.8	0.6	0.6	
35-44.....	1.1	1.1	1.2	1.2	1.0	1.1	1.3	1.1	1.2	1.3	1.4	1.5	1.4	1.3	1.5	1.5	1.4	1.2	1.3	1.2	
45-54.....	3.1	2.9	2.8	2.9	3.0	2.7	2.6	2.6	2.9	2.7	3.0	3.0	3.1	3.0	3.1	3.0	3.2	2.9	3.2	3.0	
55-64.....	7.7	7.2	7.8	7.3	7.4	8.0	7.2	7.3	8.0	7.6	7.5	7.3	7.0	6.7	7.0	7.0	6.4	6.6	6.4	6.4	
65-74.....	17.9	17.3	18.5	18.0	19.4	19.2	17.6	18.2	18.7	19.2	18.6	18.1	17.6	17.3	17.7	17.9	16.3	17.1	16.4	15.2	
75-84.....	43.1	44.2	45.6	46.4	44.9	43.9	43.7	45.1	46.0	46.4	46.9	47.8	47.2	46.2	46.4	45.5	45.3	45.1	43.4	41.2	
85 and over.....	134.6	131.9	143.1	140.0	145.3	143.5	143.1	146.4	147.5	150.0	144.7	146.5	143.9	136.9	136.1	132.7	131.0	130.4	123.3	136.5	

\*Rate per 1,000 age-group population

Rates may differ from those published in reports prior to 1999.

# Age-Adjusted Death Rates\*

Kansas and the U.S., 1991-2010



\*Rate per 1,000 Standard

U.S. 2000 Population

† 2008-2010 Rates Not Available

Figure 30

Table 53  
Age-Adjusted Death Rates\* by Sex  
Kansas and the U.S., 1991-2010

Year	Kansas			U.S.		
	Total	Male	Female	Total	Male	Female
1991.....	8.5	11.0	6.8	9.2	11.8	7.4
1992.....	8.3	10.5	6.7	9.1	11.6	7.3
1993.....	8.7	11.0	7.1	9.3	11.8	7.5
1994.....	8.5	10.6	7.0	9.1	11.6	7.4
1995.....	8.6	10.8	7.1	9.1	11.4	7.4
1996.....	8.5	10.6	7.0	8.9	11.2	7.3
1997.....	8.4	10.5	6.8	8.8	10.9	7.3
1998.....	8.4	10.3	6.9	8.7	10.7	7.2
1999.....	8.5	10.2	7.2	8.8	10.7	7.3
2000.....	8.5	10.3	7.2	8.7	10.5	7.3
2001.....	8.5	10.3	7.1	8.5	10.3	7.2
2002.....	8.4	10.1	7.2	8.5	10.1	7.2
2003.....	8.2	9.7	7.0	8.3	9.9	7.1
2004.....	7.9	9.2	6.8	8.0	9.6	6.8
2005.....	8.0	9.5	6.9	8.0	9.5	6.8
2006.....	7.9	9.3	6.8	7.8	9.2	6.6
2007.....	7.8	9.3	6.6	7.6	9.1	6.4
2008.....	7.8	9.4	6.6	n.a.	n.a.	n.a.
2009.....	7.6	9.1	6.4	n.a.	n.a.	n.a.
2010.....	7.6	9.1	6.4	n.a.	n.a.	n.a.

\* Rate per 1,000 standard U.S. 2000 population (see Technical Notes)

Rates will differ from those published prior to 1999 because they have been recalculated using the 2000 U.S. standard population.

Table 54  
 Deaths by Age-Group and Average Age at Death  
 By County of Residence  
 Kansas, 2010

County of Residence	Total	Age-Group												Average Age At Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over	N.S.	
Kansas.....	24,428	253	62	64	311	412	565	1,639	2,812	3,607	6,113	8,588	2	74.1
Allen.....	182	0	0	0	2	2	2	11	16	29	52	68	0	77.3
Anderson.....	95	0	1	1	0	1	1	3	5	17	21	45	0	79.1
Atchison.....	190	1	0	0	2	3	0	13	20	36	45	70	0	75.8
Barber.....	51	0	0	0	1	0	0	3	3	13	12	19	0	76.9
Barton.....	295	3	0	1	5	7	8	18	33	35	92	93	0	74.1
Bourbon.....	177	2	0	0	1	1	3	12	22	29	44	63	0	74.9
Brown.....	104	0	0	1	1	2	2	7	11	18	17	45	0	75.7
Butler.....	619	8	1	2	4	10	18	45	72	91	168	200	0	73.6
Chase.....	40	0	0	0	1	0	2	2	2	9	10	14	0	75.7
Chautauqua....	53	1	0	0	0	1	0	5	3	10	15	18	0	74.9
Cherokee.....	278	2	0	1	2	4	8	21	42	52	71	75	0	72.2
Cheyenne.....	37	0	0	0	0	0	1	0	3	3	13	17	0	82.1
Clark.....	30	0	0	0	0	0	0	1	6	3	7	13	0	78.2
Clay.....	108	1	0	0	1	1	5	2	11	18	22	47	0	76.5
Cloud.....	130	1	0	0	4	0	0	4	17	14	34	56	0	77.9
Coffey.....	111	1	1	2	0	6	2	9	7	20	22	41	0	72.0
Comanche.....	39	0	0	0	0	0	1	3	1	9	8	17	0	77.9
Cowley.....	416	5	0	1	2	11	13	29	54	59	99	143	0	73.9
Crawford.....	439	2	0	0	5	5	9	30	53	74	85	176	0	75.7
Decatur.....	46	0	0	0	0	2	1	2	3	7	12	19	0	76.5
Dickinson.....	234	1	1	0	4	2	3	12	15	16	83	97	0	78.6
Doniphan.....	77	0	0	0	3	1	1	5	11	11	21	24	0	73.3
Douglas.....	627	4	0	1	6	12	18	35	77	74	162	238	0	75.0
Edwards.....	34	0	0	0	2	1	1	2	2	6	8	12	0	73.1
Elk.....	48	0	0	0	0	0	0	7	2	13	13	13	0	76.0
Ellis.....	225	1	0	1	4	3	1	11	24	35	58	87	0	76.3
Ellsworth.....	99	0	1	0	0	2	1	4	13	15	23	40	0	76.7
Finney.....	190	2	2	0	8	4	3	20	19	25	54	53	0	70.5
Ford.....	266	7	1	0	5	5	9	10	34	23	75	97	0	73.5
Franklin.....	245	1	0	1	3	5	3	15	38	36	64	79	0	74.3
Geary.....	204	9	2	2	4	13	7	16	27	37	41	46	0	64.1
Gove.....	26	0	1	0	0	0	0	0	4	2	7	12	0	78.0
Graham.....	39	0	0	0	0	0	0	1	3	6	12	17	0	80.6
Grant.....	57	0	0	0	1	1	2	5	5	11	15	17	0	73.1
Gray.....	54	0	0	0	2	0	0	3	3	6	18	22	0	77.8
Greeley.....	14	0	0	0	0	0	0	1	1	1	6	5	0	80.1
Greenwood.....	95	0	0	1	1	1	4	5	8	14	29	32	0	75.1
Hamilton.....	28	0	0	0	0	2	0	3	5	3	9	6	0	70.9
Harper.....	101	1	0	0	1	2	1	6	7	11	26	46	0	78.4
Harvey.....	399	3	4	1	6	3	9	19	31	51	96	176	0	76.8
Haskell.....	28	2	0	0	1	2	2	4	0	7	6	4	0	61.0
Hodgeman.....	17	0	0	0	0	0	0	1	2	4	7	3	0	75.7
Jackson.....	118	1	0	1	3	0	0	7	16	34	22	34	0	73.2
Jefferson.....	183	4	1	2	2	2	2	8	20	35	49	58	0	73.8
Jewell.....	35	0	0	0	1	0	1	1	6	2	6	18	0	78.1
Johnson.....	3,300	31	10	14	39	54	69	192	370	403	799	1,319	0	75.2
Kearny.....	34	0	1	0	1	0	2	1	0	1	15	13	0	76.6
Kingman.....	81	0	0	1	1	1	0	7	4	5	25	37	0	78.8
Kiowa.....	22	1	0	0	0	0	0	1	2	3	8	7	0	75.8
Labette.....	249	4	1	0	1	8	11	23	24	24	61	91	1	73.0
Lane.....	16	0	0	0	0	1	0	1	0	4	4	6	0	77.3
Leavenworth...	554	4	2	1	9	17	17	47	87	98	130	142	0	70.5
Lincoln.....	40	0	0	0	1	0	1	2	3	10	11	12	0	75.4
Linn.....	109	0	0	0	1	1	3	3	14	29	23	35	0	75.1
Logan.....	29	1	0	0	1	0	0	4	7	4	12	0	74.7	

Table 54  
 Deaths by Age-Group and Average Age at Death  
 By County of Residence  
 Kansas, 2010

County of Residence	Total	Age-Group												Average Age At Death	
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over	N.S.		
Lyon.....	263	4	2	0	7	1	4	15	23	31	71	105	0	75.5	
McPherson.....	348	2	0	1	5	1	7	10	37	42	81	162	0	78.6	
Marion.....	141	2	0	0	0	1	0	4	13	19	37	65	0	80.4	
Marshall.....	131	1	0	0	0	1	2	2	11	20	35	59	0	79.8	
Meade.....	50	0	0	0	1	0	2	1	3	6	13	24	0	78.9	
Miami.....	290	4	0	1	3	2	8	27	31	57	67	90	0	73.2	
Mitchell.....	99	1	0	0	1	0	0	4	10	16	25	42	0	78.3	
Montgomery.....	456	0	0	1	3	3	8	31	50	82	113	165	0	76.1	
Morris.....	71	0	0	0	0	0	1	3	8	11	15	33	0	79.9	
Morton.....	36	0	0	0	0	0	1	4	4	6	6	15	0	76.3	
Nemaha.....	135	0	0	0	1	2	1	7	6	11	37	70	0	80.6	
Neosho.....	196	3	0	2	1	4	3	10	14	29	49	81	0	76.1	
Ness.....	37	0	0	0	0	0	0	1	2	5	13	16	0	81.0	
Norton.....	65	0	0	0	1	0	1	4	8	9	10	32	0	77.5	
Osage.....	164	0	0	1	5	3	1	6	15	28	48	57	0	75.5	
Osborne.....	46	0	0	0	0	0	0	1	4	1	4	12	24	0	80.3
Ottawa.....	72	1	0	0	0	0	1	2	2	5	18	18	25	0	76.3
Pawnee.....	73	0	0	1	1	2	1	6	7	12	11	32	0	75.8	
Phillips.....	70	0	0	0	0	2	2	2	5	10	16	33	0	78.9	
Pottawatomie.....	146	2	0	0	1	2	4	13	16	17	41	50	0	74.6	
Pratt.....	121	1	0	0	2	2	2	4	15	14	28	53	0	77.2	
Rawlins.....	35	1	0	0	0	0	0	0	4	7	12	11	0	76.9	
Reno.....	685	7	0	3	4	9	19	35	94	100	167	247	0	74.8	
Republic.....	80	0	1	0	0	1	1	6	2	11	25	33	0	77.8	
Rice.....	121	1	0	1	0	0	2	7	8	23	34	45	0	77.5	
Riley.....	312	4	0	1	12	7	4	20	26	33	77	128	0	74.6	
Rooks.....	56	0	1	0	2	0	3	1	3	7	15	24	0	76.3	
Rush.....	46	0	0	0	0	2	2	2	2	5	18	15	0	76.4	
Russell.....	105	3	1	0	1	0	1	4	14	18	27	36	0	73.9	
Saline.....	518	6	0	1	5	9	12	45	62	76	133	169	0	73.6	
Scott.....	56	1	0	1	0	1	0	2	4	7	12	28	0	78.4	
Sedgwick.....	3,920	60	12	9	54	83	109	316	526	596	971	1,184	0	71.7	
Seward.....	134	2	1	1	3	3	7	11	19	19	26	42	0	69.9	
Shawnee.....	1,641	16	2	1	18	31	39	125	200	245	410	553	1	73.7	
Sheridan.....	35	0	0	0	0	0	0	3	0	4	12	16	0	81.5	
Sherman.....	62	0	0	0	0	0	2	3	6	10	20	21	0	77.6	
Smith.....	63	0	0	0	0	1	2	7	4	9	14	26	0	76.4	
Stafford.....	68	0	0	0	2	0	1	4	5	6	20	30	0	78.3	
Stanton.....	17	0	0	0	0	0	0	0	1	3	4	9	0	82.8	
Stevens.....	52	0	0	0	2	0	2	2	6	7	15	18	0	74.7	
Sumner.....	276	1	2	1	6	3	6	18	26	45	82	86	0	73.8	
Thomas.....	87	0	1	0	0	0	0	0	9	22	20	35	0	79.2	
Trego.....	47	0	0	1	0	0	0	3	4	10	12	17	0	77.8	
Wabaunsee.....	76	0	0	0	1	1	1	3	11	21	17	21	0	73.7	
Wallace.....	21	0	0	0	1	0	0	1	2	1	5	11	0	79.1	
Washington.....	73	0	1	0	0	1	2	4	5	11	14	35	0	77.6	
Wichita.....	22	0	0	0	0	0	3	1	0	2	4	12	0	78.3	
Wilson.....	129	2	1	0	1	3	1	4	11	25	34	47	0	75.7	
Woodson.....	49	1	1	0	1	0	2	4	3	6	16	15	0	71.8	
Wyandotte.....	1,308	23	6	2	23	30	46	148	206	223	311	290	0	68.4	
N.S.	7	0	0	0	1	1	0	2	0	0	1	2	0	n/a	

Table 55  
 Deaths by Population Group  
 By County of Residence  
 Kansas, 2010

County of Residence	Total	Population Group						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Kansas.....	24,428	21,955	1,182	213	132	273	640	33
Allen.....	182	178	0	0	1	1	2	0
Anderson.....	95	95	0	0	0	0	0	0
Atchison.....	190	177	9	0	0	2	2	0
Barber.....	51	48	0	1	0	0	2	0
Barton.....	295	279	1	2	0	4	9	0
Bourbon.....	177	170	3	0	0	2	2	0
Brown.....	104	90	2	9	0	0	3	0
Butler.....	619	588	5	4	2	14	6	0
Chase.....	40	39	0	0	0	0	1	0
Chautauqua.....	53	52	0	1	0	0	0	0
Cherokee.....	278	266	2	6	0	1	2	1
Cheyenne.....	37	37	0	0	0	0	0	0
Clark.....	30	30	0	0	0	0	0	0
Clay.....	108	106	0	0	1	0	1	0
Cloud.....	130	129	0	0	0	0	1	0
Coffey.....	111	111	0	0	0	0	0	0
Comanche.....	39	37	0	1	0	0	1	0
Cowley.....	416	370	16	7	3	6	12	2
Crawford.....	439	421	8	0	2	3	5	0
Decatur.....	46	46	0	0	0	0	0	0
Dickinson.....	234	226	0	1	0	4	3	0
Doniphan.....	77	76	0	1	0	0	0	0
Douglas.....	627	578	26	6	6	4	5	2
Edwards.....	34	30	0	0	0	0	4	0
Elk.....	48	47	0	0	0	1	0	0
Ellis.....	225	222	0	0	0	0	2	1
Ellsworth.....	99	94	0	1	0	1	3	0
Finney.....	190	153	3	1	1	3	29	0
Ford.....	266	221	2	0	1	2	40	0
Franklin.....	245	229	0	5	1	5	5	0
Geary.....	204	156	28	0	9	2	8	1
Gove.....	26	26	0	0	0	0	0	0
Graham.....	39	34	5	0	0	0	0	0
Grant.....	57	51	0	1	0	0	5	0
Gray.....	54	54	0	0	0	0	0	0
Greeley.....	14	11	0	0	0	0	3	0
Greenwood.....	95	89	0	0	0	5	1	0
Hamilton.....	28	26	0	0	0	0	1	1
Harper.....	101	96	0	1	0	1	3	0
Harvey.....	399	372	2	4	1	4	16	0
Haskell.....	28	21	0	1	0	0	6	0
Hodgeman.....	17	16	1	0	0	0	0	0
Jackson.....	118	108	1	9	0	0	0	0
Jefferson.....	183	181	2	0	0	0	0	0
Jewell.....	35	34	0	0	0	0	0	1
Johnson.....	3,300	3,119	70	13	26	24	44	4
Kearny.....	34	32	0	0	0	0	2	0
Kingman.....	81	80	0	0	0	1	0	0
Kiowa.....	22	22	0	0	0	0	0	0
Labette.....	249	228	10	7	0	2	2	0
Lane.....	16	16	0	0	0	0	0	0
Leavenworth.....	554	490	47	5	3	2	5	2
Lincoln.....	40	40	0	0	0	0	0	0
Linn.....	109	108	0	0	0	1	0	0
Logan.....	29	28	0	0	0	0	1	0

Table 55  
 Deaths by Population Group  
 By County of Residence  
 Kansas, 2010

County of Residence	Total	Population Group						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Lyon.....	263	235	8	4	1	2	13	0
McPherson.....	348	341	3	0	0	2	2	0
Marion.....	141	136	1	2	0	1	1	0
Marshall.....	131	129	1	0	0	1	0	0
Meade.....	50	47	0	0	1	0	2	0
Miami.....	290	276	7	3	0	2	2	0
Mitchell.....	99	98	0	0	0	0	1	0
Montgomery.....	456	423	21	5	0	1	6	0
Morris.....	71	71	0	0	0	0	0	0
Morton.....	36	34	0	0	0	1	1	0
Nemaha.....	135	133	0	1	1	0	0	0
Neosho.....	196	186	4	2	1	1	2	0
Ness.....	37	37	0	0	0	0	0	0
Norton.....	65	64	0	1	0	0	0	0
Osage.....	164	160	0	3	0	1	0	0
Osborne.....	46	46	0	0	0	0	0	0
Ottawa.....	72	70	0	0	0	0	2	0
Pawnee.....	73	66	2	0	0	1	4	0
Phillips.....	70	69	0	0	1	0	0	0
Pottawatomie.....	146	140	1	2	0	0	3	0
Pratt.....	121	114	2	1	0	2	2	0
Rawlins.....	35	34	0	0	0	0	0	1
Reno.....	685	625	19	6	1	12	21	1
Republic.....	80	79	0	0	0	0	1	0
Rice.....	121	118	0	0	0	0	3	0
Riley.....	312	281	15	2	2	6	6	0
Rooks.....	56	56	0	0	0	0	0	0
Rush.....	46	45	0	1	0	0	0	0
Russell.....	105	105	0	0	0	0	0	0
Saline.....	518	482	14	3	5	5	9	0
Scott.....	56	56	0	0	0	0	0	0
Sedgwick.....	3,920	3,213	364	49	44	94	151	5
Seward.....	134	103	6	1	0	0	23	1
Shawnee.....	1,641	1,414	124	23	5	14	60	1
Sheridan.....	35	34	1	0	0	0	0	0
Sherman.....	62	61	0	0	0	0	1	0
Smith.....	63	62	0	0	0	1	0	0
Stafford.....	68	66	0	0	0	1	1	0
Stanton.....	17	17	0	0	0	0	0	0
Stevens.....	52	45	0	0	0	2	5	0
Sumner.....	276	268	1	3	0	1	3	0
Thomas.....	87	87	0	0	0	0	0	0
Trego.....	47	46	0	0	1	0	0	0
Wabaunsee.....	76	71	1	2	0	0	2	0
Wallace.....	21	21	0	0	0	0	0	0
Washington.....	73	73	0	0	0	0	0	0
Wichita.....	22	21	0	0	0	0	1	0
Wilson.....	129	124	0	0	1	3	1	0
Woodson.....	49	49	0	0	0	0	0	0
Wyandotte.....	1,308	837	342	12	10	24	74	9
N.S.	7	4	2	0	1	0	0	0

\*Includes selection of two or more races or other non-specified race

Table 56  
Deaths by Population Group and Sex, by Age-Group and Average Age at Death  
Kansas, 2010

Population Group	Total	Age-Group												Average Age At Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.	
All Races.....	24,428	253	62	64	311	412	565	1,639	2,812	3,607	6,113	8,588	2	74.1
Male.....	12,168	149	34	36	233	293	354	1,029	1,736	2,073	3,101	3,129	1	70.3
Female.....	12,260	104	28	28	78	119	211	610	1,076	1,534	3,012	5,459	1	77.9
N.S.....	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
White Non-Hispanic.....	21,955	142	34	55	224	307	439	1,347	2,419	3,209	5,604	8,173	2	75.5
Male.....	10,801	87	20	30	162	218	273	850	1,481	1,844	2,860	2,975	1	71.9
Female.....	11,154	55	14	25	62	89	166	497	938	1,365	2,744	5,198	1	79.0
N.S.....	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
Black Non-Hispanic.....	1,182	33	12	3	34	53	52	133	204	202	248	208	0	64.2
Male.....	643	20	6	3	32	39	33	79	136	112	109	74	0	59.7
Female.....	539	13	6	0	2	14	19	54	68	90	139	134	0	69.6
N.S.....	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
Native American														
Non-Hispanic.....	213	1	1	1	5	5	10	38	38	46	38	30	0	64.4
Male.....	130	1	1	0	4	3	7	28	27	29	17	13	0	61.1
Female.....	83	0	0	1	1	2	3	10	11	17	21	17	0	69.6
N.S.....	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
Asian/Pacific														
Non-Hispanic.....	132	5	2	0	4	4	5	10	26	21	39	16	0	63.7
Male.....	65	4	0	0	3	3	2	5	18	11	14	5	0	59.5
Female.....	67	1	2	0	1	1	3	5	8	10	25	11	0	67.8
N.S.....	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
Other Non-Hispanic*....	273	20	1	2	9	7	14	24	45	45	57	49	0	62.0
Male.....	135	12	0	1	7	5	5	11	24	26	25	19	0	59.4
Female.....	138	8	1	1	2	2	9	13	21	19	32	30	0	64.4
N.S.....	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
Hispanic Any Race.....	640	50	10	3	33	36	43	80	71	79	126	109	0	57.6
Male.....	374	24	7	2	23	25	33	51	45	47	75	42	0	55.2
Female.....	266	26	3	1	10	11	10	29	26	32	51	67	0	61.1
N.S.....	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
Not Stated.....	33	2	2	0	2	0	2	7	9	5	1	3	0	n/a
Male.....	20	1	0	0	2	0	1	5	5	4	1	1	0	n/a
Female.....	13	1	2	0	0	0	1	2	4	1	0	2	0	n/a
N.S.....	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a

\* Includes selection of two or more races or other non-specified race

Table 57  
Ten Leading Causes of Death by Sex, Population Group of Decedent  
Kansas, 2010

Population Group	Total	Causes of Death											
		Heart Disease	Malignant Neoplasms	Chronic Lower Respiratory Diseases	Cerebro-vascular Disease	Unintentional Injuries	Alzheimer's Disease	Diabetes Mellitus	Nephritis, Nephrotic Syndrome, Nephrosis	Pneumonia and Influenza	Suicide	All Other Causes	
Total.....	24,428	5,404	5,359	1,581	1,367	1,346	816	655	581	555	409	6,355	
White Non-Hispanic.....	21,955	4,957	4,828	1,479	1,232	1,158	787	554	504	503	366	5,587	
Black Non-Hispanic.....	1,182	222	291	41	77	58	13	45	42	22	17	354	
Native American													
Non-Hispanic.....	213	45	44	16	8	16	3	14	9	2	2	54	
Asian/Pacific													
Non-Hispanic.....	132	21	33	1	14	10	2	6	2	2	0	41	
Other Non-Hispanic*....	273	46	46	29	10	22	5	9	6	9	4	87	
Hispanic Any Race.....	640	106	115	15	25	80	5	26	18	17	16	217	
Not Stated.....	33	7	2	0	1	2	1	1	0	0	4	15	
Male.....	12,168	2,790	2,872	795	545	847	228	328	290	253	319	2,901	
White Non-Hispanic.....	10,801	2,553	2,569	743	484	716	220	278	249	223	288	2,478	
Black Non-Hispanic.....	643	115	162	22	40	40	5	22	20	12	14	191	
Native American													
Non-Hispanic.....	130	26	31	6	5	11	0	9	5	2	0	35	
Asian/Pacific													
Non-Hispanic.....	65	11	23	1	4	6	1	1	1	0	0	17	
Other Non-Hispanic*....	135	17	26	13	2	14	1	3	3	5	3	48	
Hispanic Any Race.....	374	62	60	10	9	59	1	14	12	11	12	124	
Not Stated.....	20	6	1	0	1	1	0	1	0	0	2	8	
Female.....	12,260	2,614	2,487	786	822	499	588	327	291	302	90	3,454	
White Non-Hispanic.....	11,154	2,404	2,259	736	748	442	567	276	255	280	78	3,109	
Black Non-Hispanic.....	539	107	129	19	37	18	8	23	22	10	3	163	
Native American													
Non-Hispanic.....	83	19	13	10	3	5	3	5	4	0	2	19	
Asian/Pacific													
Non-Hispanic.....	67	10	10	0	10	4	1	5	1	2	0	24	
Other Non-Hispanic*....	138	29	20	16	8	8	4	6	3	4	1	39	
Hispanic Any Race.....	266	44	55	5	16	21	4	12	6	6	4	93	
Not Stated.....	13	1	1	0	0	1	1	0	0	0	2	7	
Not Stated.....	0	0	0	0	0	0	0	0	0	0	0	0	

\* Includes selection of two or more races or other non-specified race

**Table 58**  
**Selected Causes of Death by Age-Group**  
**And Average Age at Death**  
**Kansas, 2010**

Selected Causes of Death (ICD-10 Code)	Total	Age-Group											Average Age at Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	
All Causes .....	24,426	253	62	64	311	412	565	1,639	2,812	3,607	6,113	8,588	74.1
Selected Causes .....	19,146	92	41	49	271	346	454	1,323	2,376	3,016	4,801	6,377	n.a.
Tuberculosis (A16-A19).....	3	0	0	0	0	0	0	0	1	0	0	2	76.3
HIV/AIDS (B20-B24).....	27	0	0	0	1	2	6	7	9	0	2	0	50.1
Malignant Neoplasms (C00-C97).....	5,359	1	3	7	10	34	96	438	1,000	1,317	1,447	1,006	71.6
Diabetes mellitus (E10-E14).....	655	0	0	0	1	4	12	55	110	123	177	173	73.5
Alzheimer's Disease (G30).....	816	0	0	0	0	0	0	0	3	47	238	528	86.6
Prim. Hypertension/Hypertensive Renal Dis. and Sec. Hypertension (I10, I12, I15).....	161	0	0	0	0	1	1	4	13	19	38	85	82.1
Heart Disease (I00-I09, I11, I13, I20-I51).....	5,403	7	1	0	6	25	96	290	560	685	1,333	2,400	78.6
Cerebrovascular Disease (I60-I69).....	1,367	1	1	1	4	4	9	47	100	157	364	679	80.9
Atherosclerosis (I70).....	390	0	0	0	0	1	1	4	13	34	93	244	85.0
Pneumonia and Influenza (J09-J18).....	555	0	3	0	2	2	7	19	31	46	137	308	82.3
Chronic Lower Respiratory Diseases (J40-J47).....	1,581	0	2	1	0	3	6	49	157	315	588	460	77.4
Peptic Ulcer (K25-K28).....	31	0	0	0	0	0	0	5	3	5	6	12	75.8
Chronic Liver Disease and Cirrhosis (K70, K73-K74).....	245	0	0	0	1	3	17	62	80	43	29	10	60.1
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27).....	581	1	0	0	2	6	6	25	54	87	164	236	78.2
Congenital Anomalies (Q00-Q99).....	109	66	3	4	4	4	2	9	9	3	3	2	17.9
Unintentional Injuries (V01-X59, Y40-Y86, Y88).....	1,346	13	25	28	157	147	119	188	166	108	170	225	54.3
Suicide (U03, X60-X84,Y87.0).....	409	0	0	4	62	79	58	105	60	24	11	6	43.1
Homicide (U01-U02, X85-Y09,Y87.1).....	108	3	3	4	21	31	18	16	7	3	1	1	34.2

Totals exclude two individuals of unknown age.

Table 59  
 Ten Leading Causes of Death by Sex,  
 Number, Rate and Average Age at Death  
 Kansas, 2010

Leading Causes of Death (ICD-10 Code)	Number of Deaths				Cause-Specific Death Rate*			Average Age at Death†		
	Total	Male	Female	N.S.	Total	Male	Female	Total	Male	Female
All Causes.....	24,428	12,168	12,260	0	856.2	859.7	852.7	74.1	70.3	77.9
Heart Disease (I00-I09, I11, I13, I20-I51).....	5,404	2,790	2,614	0	189.4	197.1	181.8	78.6	74.9	82.5
Malignant Neoplasms (C00-C97).....	5,359	2,872	2,487	0	187.8	202.9	173.0	71.6	71.1	72.3
Chronic Lower Respiratory Diseases (J40-J47).....	1,581	795	786	0	55.4	56.2	54.7	77.4	76.4	78.5
Cerebrovascular Disease (I60-I69).....	1,367	545	822	0	47.9	38.5	57.2	80.9	77.2	83.3
Unintentional Injuries (V01-X59, Y40-Y86,Y88).....	1,346	847	499	0	47.2	59.8	34.7	54.3	49.7	62.0
Alzheimer's Disease (G30).....	816	228	588	0	28.6	16.1	40.9	86.6	84.8	87.4
Diabetes mellitus (E10-E14).....	655	328	327	0	23.0	23.2	22.7	73.5	71.6	75.3
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27).....	581	290	291	0	20.4	20.5	20.2	78.2	76.7	79.7
Pneumonia and Influenza (J09-J18).....	555	253	302	0	19.5	17.9	21.0	82.3	79.6	84.6
Suicide (U03, X60-X84,Y87.0).....	409	319	90	0	14.3	22.5	6.3	43.1	43.4	42.2

\*Rate per 100,000 population

†Two individuals of unknown age not included in counts used for calculating average age at death.

Note: Rates are based on counts from the 2010 Census.

**Table 60**  
**Death Rates, Age-Adjusted Death Rates and 95% Confidence Intervals**  
**For Selected Leading Causes of Death**  
**Kansas, 2009-2010**

Cause of Death (ICD-10 Code)	2009					2010				
	Number	Death Rate*	Age-Adjusted Death Rate <sup>†</sup>	CI (95%) <sup>‡</sup>		Number	Death Rate*	Age-Adjusted Death Rate <sup>†</sup>	CI (95%) <sup>‡</sup>	
				Lower	Upper				Lower	Upper
All Causes.....	23,997	851.3	759.4	749.7	769.1	24,426	856.1	759.8	750.2	769.4
Heart Disease (I00-I09, I11, I13, I20-I51).....	5,276	187.2	162.5	158.1	167.0	5,403	189.4	164.0	159.6	168.5
Malignant Neoplasms (C00-C97).....	5,304	188.2	173.3	168.6	178.0	5,359	187.8	170.6	166.0	175.2
Chronic Lower Respiratory Diseases (J40-J47).....	1,577	55.9	50.9	48.4	53.4	1,581	55.4	50.1	47.6	52.6
Cerebrovascular Disease (I60-I69).....	1,413	50.1	43.0	40.7	45.3	1,367	47.9	41.1	38.9	43.3
Unintentional Injuries (V01-X59, Y40-Y86, Y88).....	1,301	46.2	43.8	41.4	46.2	1,346	47.2	44.8	42.4	47.2
Alzheimer's Disease (G30).....	801	28.4	23.7	22.0	25.4	816	28.6	24.0	22.3	25.7
Diabetes mellitus (E10-E14).....	628	22.3	20.2	18.6	21.8	655	23.0	20.5	18.9	22.1
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27).....	556	19.7	17.4	15.9	18.9	581	20.4	17.9	16.4	19.4
Pneumonia and Influenza (J09-J18).....	592	21.0	17.8	16.3	19.3	555	19.5	16.5	15.1	17.9
Suicide (U03, X60-X84, Y87.0).....	376	13.3	13.4	12.0	14.8	409	14.3	14.3	12.9	15.7
Atherosclerosis (I70).....	321	11.4	9.6	8.5	10.7	390	13.7	11.4	10.3	12.5
Chronic Liver Disease and Cirrhosis (K70, K73-K74).....	224	7.9	7.4	6.4	8.4	245	8.6	7.9	6.9	8.9
Prim. Hypertension/Hypertensive Renal Disease and Sec. Hypertension (I10, I12, I15).....	158	5.6	4.7	4.0	5.4	161	5.6	4.8	4.1	5.5
Certain Conditions Originating in the Perinatal Period (P00-P96).....	115	4.1	3.8	3.1	4.5	112	3.9	3.8	3.1	4.5
Congenital Anomalies (Q00-Q99).....	109	3.9	3.6	2.9	4.3	109	3.8	3.7	3.0	4.4
Homicide (U01-U02, X85-Y09, Y87.1).....	127	4.5	4.6	3.8	5.4	108	3.8	3.9	3.2	4.6

\*Rate per 100,000 population

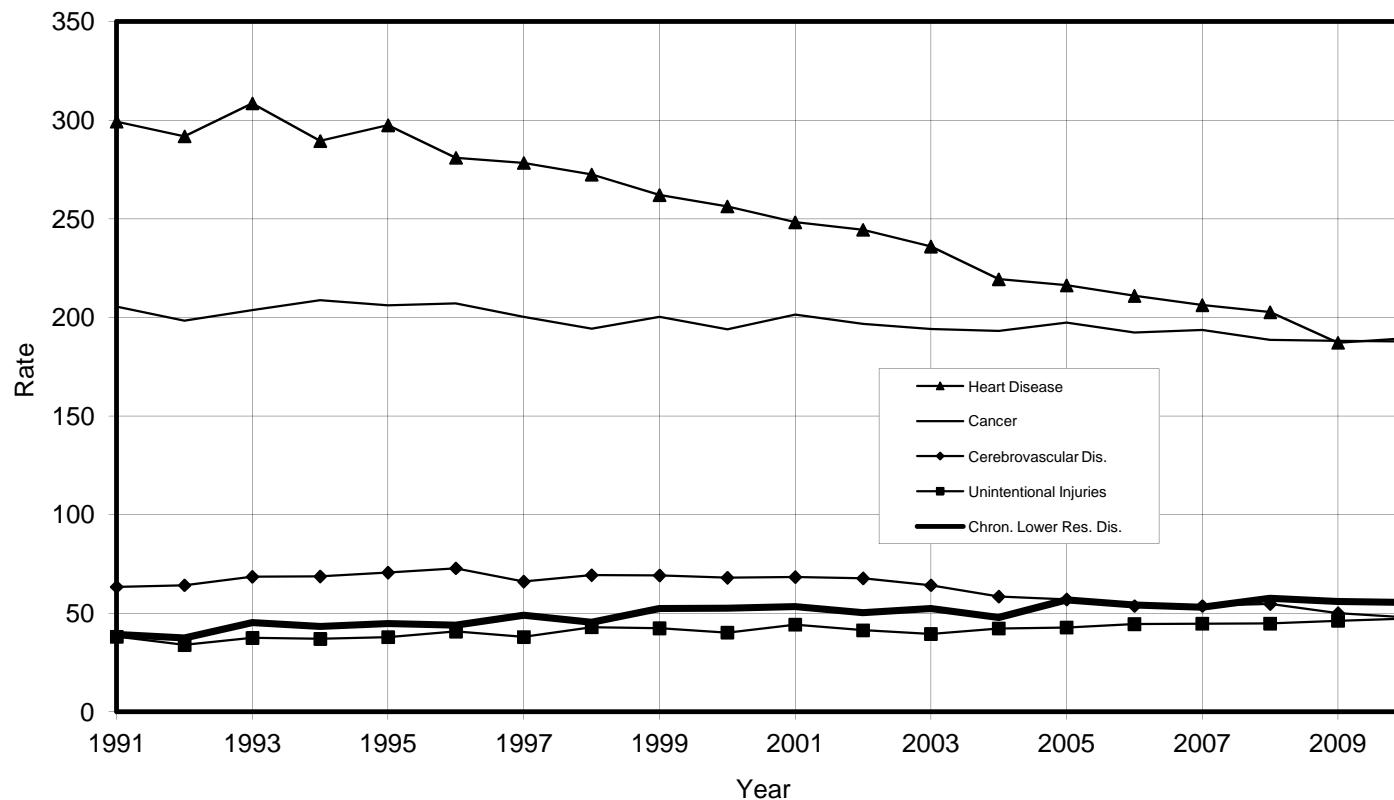
<sup>†</sup>Rate per 100,000 standard U.S. 2000 population (see Technical Notes)

<sup>‡</sup>CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes

One death for which age of decedent could not be determined was not included in this analysis.

## Death Rates for Selected Leading Causes of Death

Kansas, 1991-2010



Rate per 100,000 Population

Figure 31

# Leading Causes of Death by Age-Group

## Kansas, 2010

ALL AGES	
CAUSE	NUMBER
HEART DISEASE	5,404
CANCER	5,359
CHRON. LOWER RESP. DIS.	1,581
CEREBROVASC. DIS.	1,367
UNINTENTIONAL INJURIES	1,346
OTHER CAUSES	9,371
TOTAL	24,428

UNDER 1 YEAR	
CAUSE	NUMBER
CONGENITAL ANOMALIES	66
LENGTH GEST./FETAL GROWTH	39
MATERNAL FACTORS & COMPL.	35
SIDS	26
UNINTENTIONAL INJURIES	13
OTHER CAUSES	74
TOTAL	253

1-4 YEARS	
CAUSE	NUMBER
UNINTENTIONAL INJURIES	25
CANCER	3
PNEUMONIA AND INFLUENZA	3
CONGENITAL ANOMALIES	3
INFANTILE CEREBRAL PALSY	3
HOMICIDE	3
OTHER CAUSES	22
TOTAL	62

5-14 YEARS	
CAUSE	NUMBER
UNINTENTIONAL INJURIES	28
CANCER	7
CONGENITAL ANOMALIES	4
SUICIDE	4
HOMICIDE	4
OTHER CAUSES	17
TOTAL	64

15-24 YEARS	
CAUSE	NUMBER
UNINTENTIONAL INJURIES	157
SUICIDE	62
HOMICIDE	21
CANCER	10
HEART DISEASE	6
OTHER CAUSES	55
TOTAL	311

25-44 YEARS	
CAUSE	NUMBER
UNINTENTIONAL INJURIES	266
SUICIDE	137
CANCER	130
HEART DISEASE	121
HOMICIDE	49
OTHER CAUSES	274
TOTAL	977

45-64 YEARS	
CAUSE	NUMBER
CANCER	1,438
HEART DISEASE	850
UNINTENTIONAL INJURIES	354
CHRON. LOWER RESP. DIS.	206
DIABETES	165
SUICIDE	165
OTHER CAUSES	1,273
TOTAL	4,451

65-84 YEARS	
CAUSE	NUMBER
CANCER	2,764
HEART DISEASE	2,018
CHRON. LOWER RESP. DIS.	903
CEREBROVASC. DIS.	521
DIABETES	300
OTHER CAUSES	3,214
TOTAL	9,720

85 YEARS AND OVER	
CAUSE	NUMBER
HEART DISEASE	2,400
CANCER	1,006
CEREBROVASC. DIS.	679
ALZHEIMER'S DISEASE	528
CHRON. LOWER RESP. DIS.	460
OTHER CAUSES	3,515
TOTAL	8,588

Table 61  
Heart Disease Deaths by Age-Group and Sex of Decedent  
Kansas, 2010

Causes of Death and Sex of Decedent (ICD Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Heart Disease (I00-I09, I11, I13, I20-I51).....	5,404	7	1	0	6	25	96	290	560	685	1,333	2,400	1
Male.....	2,790	3	0	0	4	16	69	199	400	462	714	922	1
Female.....	2,614	4	1	0	2	9	27	91	160	223	619	1,478	0
Acute Rheumatic Fever and Chronic Rheumatic Heart Disease (I00-I09).....	34	0	0	0	0	0	0	4	6	1	13	10	0
Male.....	10	0	0	0	0	0	0	2	2	1	4	1	0
Female.....	24	0	0	0	0	0	0	2	4	0	9	9	0
Hypertensive Heart Disease with or without Renal Disease (I11, I13).....	131	0	0	0	0	1	3	9	10	8	26	74	0
Male.....	50	0	0	0	0	1	3	7	6	6	12	15	0
Female.....	81	0	0	0	0	0	0	2	4	2	14	59	0
Ischemic Heart Disease (I20-I25).....	3,169	0	0	0	1	9	55	188	403	465	819	1,229	0
Male.....	1,826	0	0	0	1	6	43	143	296	326	464	547	0
Female.....	1,343	0	0	0	0	3	12	45	107	139	355	682	0
Pulmonary Heart Disease and Diseases of Pulmonary Circulation (I26-I28).....	154	1	0	0	1	4	8	18	22	24	31	45	0
Male.....	49	1	0	0	0	1	1	8	12	9	10	7	0
Female.....	105	0	0	0	1	3	7	10	10	15	21	38	0
Other Forms of Heart Disease (I30-I51).....	1,916	6	1	0	4	11	30	71	119	187	444	1,042	1
Male.....	855	2	0	0	3	8	22	39	84	120	224	352	1
Female.....	1,061	4	1	0	1	3	8	32	35	67	220	690	0

**Table 62**  
**Malignant Neoplasm Deaths**  
**By Site of Lesion, Age-Group and Sex of Decedent**  
**Kansas, 2010**

Site of Lesion and Sex of Decedent (ICD-10 Code)	Total	Age-Group										85 & Over
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	
Malignant Neoplasms (All Sites) (C00-C97).....	5,359	1	3	7	10	34	96	438	1,000	1,317	1,447	1,006
Male.....	2,872	0	2	5	7	16	41	236	566	746	782	471
Female.....	2,487	1	1	2	3	18	55	202	434	571	665	535
Lip, Oral Cavity and Pharynx (C00-C14).....	80	0	0	0	0	0	1	6	28	26	9	10
Male.....	62	0	0	0	0	0	0	5	25	18	7	7
Female.....	18	0	0	0	0	0	1	1	3	8	2	3
Digestive Organs (C15-C26).....	1,290	0	0	1	0	6	28	130	249	305	330	241
Male.....	767	0	0	1	0	4	20	81	176	202	183	100
Female.....	523	0	0	0	0	2	8	49	73	103	147	141
Respiratory and Intrathoracic Organs (C30-C39).....	1,539	0	0	0	0	0	6	124	307	462	440	200
Male.....	856	0	0	0	0	0	3	78	177	259	240	99
Female.....	683	0	0	0	0	0	3	46	130	203	200	101
Bone and Articular Cartilage (C40-C41).....	13	0	0	1	3	2	0	2	0	1	0	4
Male.....	9	0	0	1	3	0	0	2	0	1	0	2
Female.....	4	0	0	0	0	2	0	0	0	0	0	2
Skin (C43-C44).....	111	0	0	0	0	2	3	10	20	28	23	25
Male.....	80	0	0	0	0	1	3	7	14	23	17	15
Female.....	31	0	0	0	0	1	0	3	6	5	6	10
Mesothelial and Soft Tissue (C45-C49).....	81	0	0	1	0	4	2	11	19	22	16	6
Male.....	43	0	0	1	0	3	0	5	11	11	8	4
Female.....	38	0	0	0	0	1	2	6	8	11	8	2
Breast (C50).....	360	0	0	0	0	2	22	44	83	70	65	74
Male.....	5	0	0	0	0	0	0	0	1	3	1	0
Female.....	355	0	0	0	0	2	22	44	82	67	64	74
Genital Organs (C51-C63).....	507	0	0	0	1	3	8	22	68	103	158	144
Male.....	269	0	0	0	0	0	2	2	23	46	92	104
Female.....	238	0	0	0	1	3	6	20	45	57	66	40
Urinary Tract (C64-C68).....	276	0	0	0	0	0	2	23	46	67	77	61
Male.....	181	0	0	0	0	0	1	14	35	43	49	39
Female.....	95	0	0	0	0	0	1	9	11	24	28	22
Eye and Adnexa (C69).....	2	0	0	0	0	0	0	0	0	0	2	0
Male.....	1	0	0	0	0	0	0	0	0	0	1	0
Female.....	1	0	0	0	0	0	0	0	0	0	1	0
Meninges, Brain and Other Parts of Central Nervous System (C70-C72).....	135	0	1	2	2	8	13	16	32	24	28	9
Male.....	77	0	1	0	1	6	7	8	20	17	15	2
Female.....	58	0	0	2	1	2	6	8	12	7	13	7
Thyroid and Other Endocrine Glands (C73-C75).....	28	0	1	0	0	0	0	1	6	7	5	8
Male.....	15	0	1	0	0	0	0	1	3	5	3	2
Female.....	13	0	0	0	0	0	0	0	3	2	2	6
Other and Unspecified Sites (C76-C80, C97).....	354	0	0	0	0	2	3	22	69	69	101	88
Male.....	185	0	0	0	0	0	1	12	39	40	58	35
Female.....	169	0	0	0	0	2	2	10	30	29	43	53
Leukemia (C91-C95).....	249	1	1	2	3	4	3	9	25	49	81	71
Male.....	135	0	0	2	2	2	1	7	15	34	43	29
Female.....	114	1	1	0	1	2	2	2	10	15	38	42
Other Lymphoid, Hematopoietic, and Related Tissue (C81-C90, C96).....	334	0	0	0	1	1	5	18	48	84	112	65
Male.....	187	0	0	0	1	0	3	14	27	44	65	33
Female.....	147	0	0	0	0	1	2	4	21	40	47	32

Table 63  
Cerebrovascular Disease Deaths by Age-Group and Sex of Decedent  
Kansas, 2010

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Cerebrovascular Disease (I60-I69).....	1,367	1	1	1	4	4	9	47	100	157	364	679
Male.....	545	1	0	1	3	3	5	27	58	74	173	200
Female.....	822	0	1	0	1	1	4	20	42	83	191	479
Subarachnoid Hemorrhage (I60).....	52	0	0	0	1	2	1	10	21	2	6	9
Male.....	29	0	0	0	1	1	0	7	12	1	2	5
Female.....	23	0	0	0	0	1	1	3	9	1	4	4
Intracerebral and Other Intracranial Hemorrhage (I61-I62).....	264	0	1	0	0	2	2	21	29	45	87	77
Male.....	133	0	0	0	0	2	2	12	17	23	44	33
Female.....	131	0	1	0	0	0	0	9	12	22	43	44
Cerebral Infarction (I63).....	42	0	0	0	0	0	3	1	3	8	9	18
Male.....	20	0	0	0	0	0	2	1	2	5	5	5
Female.....	22	0	0	0	0	0	1	0	1	3	4	13
Stroke, Not Specified as Hemorrhage or Infarction (I64).....	768	0	0	0	2	0	2	9	37	85	209	424
Male.....	285	0	0	0	2	0	1	6	21	39	99	117
Female.....	483	0	0	0	0	0	1	3	16	46	110	307
Other Cerebrovascular Diseases (I67, I69).....	241	1	0	1	1	0	1	6	10	17	53	151
Male.....	78	1	0	1	0	0	0	1	6	6	23	40
Female.....	163	0	0	0	1	0	1	5	4	11	30	111

Table 64  
Unintentional Injury Deaths by Age-Group and Sex of Decedent  
Kansas, 2010

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										85 & Over
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	
Unintentional Injuries (V01-X59, Y40-Y86, Y88).....	1,346	13	25	28	157	147	119	188	166	108	170	225
Male.....	847	8	16	14	116	120	84	134	117	64	86	88
Female.....	499	5	9	14	41	27	35	54	49	44	84	137
Motor-Vehicle (*).....	470	0	8	16	114	70	45	60	61	38	41	17
Male.....	326	0	4	6	78	56	30	49	48	18	26	11
Female.....	144	0	4	10	36	14	15	11	13	20	15	6
Water Transport (V90-V94).....	2	0	0	0	0	1	0	1	0	0	0	0
Male.....	2	0	0	0	0	1	0	1	0	0	0	0
Female.....	0	0	0	0	0	0	0	0	0	0	0	0
Air and Space Transport (V95-V97).....	5	0	0	0	1	1	1	1	0	0	1	0
Male.....	5	0	0	0	1	1	1	1	0	0	1	0
Female.....	0	0	0	0	0	0	0	0	0	0	0	0
Falls (W00-W19).....	327	0	1	1	3	6	7	15	24	37	84	149
Male.....	160	0	1	1	3	6	6	9	19	24	42	49
Female.....	167	0	0	0	0	0	1	6	5	13	42	100
Inanimate Mechanical Forces (W20-W49).....	46	0	1	1	5	6	7	9	10	3	4	0
Male.....	45	0	1	1	5	6	7	9	10	2	4	0
Female.....	1	0	0	0	0	0	0	0	0	1	0	0
Drowning and Submersion (W65-W74).....	31	0	4	5	6	5	3	5	2	0	0	1
Male.....	26	0	4	4	6	3	2	5	1	0	0	1
Female.....	5	0	0	1	0	2	1	0	1	0	0	0
Other Accidental Threats to Breathing (W75-W84).....	67	9	3	0	0	2	7	3	12	6	13	12
Male.....	37	5	2	0	0	2	6	2	6	3	5	6
Female.....	30	4	1	0	0	0	1	1	6	3	8	6
Electric Current, Radiation and Air Temperature/Pressure (W85-W99).....	7	0	0	0	0	1	1	0	2	2	1	0
Male.....	6	0	0	0	0	1	1	0	2	2	0	0
Female .....	1	0	0	0	0	0	0	0	0	0	1	0
Smoke, Fire and Flames (X00-X09).....	30	0	3	3	0	4	1	5	7	2	2	3
Male.....	18	0	2	1	0	3	1	3	3	2	1	2
Female.....	12	0	1	2	0	1	0	2	4	0	1	1
Forces of Nature (X30-X39).....	10	0	0	0	0	0	0	3	1	1	4	1
Male.....	7	0	0	0	0	0	0	2	1	1	2	1
Female.....	3	0	0	0	0	0	0	1	0	0	2	0
Poisonings (X40-X49).....	224	0	3	2	25	43	42	71	35	2	1	0
Male.....	145	0	0	1	20	34	26	42	21	0	1	0
Female.....	79	0	3	1	5	9	16	29	14	2	0	0
Other Unintentional Injuries (†).....	127	4	2	0	3	8	5	15	12	17	19	42
Male.....	70	3	2	0	3	7	4	11	6	12	4	18
Female.....	57	1	0	0	0	1	1	4	6	5	15	24

\* V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

† V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V98-V99, W50-W64, X10-X29, X50-X59, Y40-Y86, Y88

**Table 65**  
**External Cause of Death by Injury Matrix**  
**Intent and Cause Group Categories\***  
**Kansas, 2010**

Cause Group (ICD-10 codes)	Total	Unintentional	Suicide	Homicide	Undetermined	Legal/War
Total	1,885	1,308	409	108	52	8
Cut/Pierce (W25–W29, W45, X78, X99, Y28, Y35.4).....	21	3	10	8	0	0
Drowning (W65–W74, X71, X92, Y21).....	39	31	4	0	4	0
Falls (W00–W19, X80, Y01, Y30).....	329	327	2	0	0	0
Fire/flame (X00–X09, X76, X97, Y26).....	34	30	1	0	3	0
Hot Object/Scalding (X10–X19, X77, X98, Y27).....	3	3	0	0	0	0
Firearm (U01.4,W32–W34,X72–X74, X93–X95,Y22–Y24,Y35.0).....	299	6	214	69	2	8
Machinery (W24, W30–W31).....	15	15	0	0	0	0
Motor Vehicle Traffic†.....	452	452	0	0	0	0
Other Pedal Cyclist (V10–V11, [V12–V14](.0–.2), V15–V18, V19(.0–.3,.8,.9)).....	0	0	0	0	0	0
Other Pedestrian (V01, [V02–V04](.0), V05, V06, V09(.0–.1,.3,.9)).....	12	12	0	0	0	0
Other Land Transport‡.....	16	14	2	0	0	0
Other Transport (U01.1,V90–V99,Y36.1).....	7	7	0	0	0	0
Natural/Environmental (W42–W43, W53–W64, W92– W99, X20–X39,X51–X57).....	15	15	0	0	0	0
Overexertion (X50).....	0	0	0	0	0	0
Poisoning (U01(.6–.7), X40–X49, X60–X69, X85–X90, Y10–Y19, Y35.2).....	318	224	67	0	27	0
Struck By/Against (W20–W22,W50–W52,X79,Y00, Y04,Y29,Y35.3).....	16	12	0	4	0	0
Suffocation (W75–W84,X70,X91,Y20).....	176	67	102	6	1	0
Other Specified§.....	30	22	5	3	0	0
NEC (U01.8,*U02,X58,X83,Y08,Y33, Y35.6,Y86–Y87,Y89(.0–.1)).....	18	9	1	4	4	0
Not Specified (U01.9, *U03.9, X59, X84,Y09, Y34, Y35.7, Y36.9, Y89.9).....	85	59	1	14	11	0

\*See technical notes, adverse effects of drugs or medical care are excluded.

†[V02–V04](.1,.9), V09.2, [V12–V14](.3–.9), V19(.4–.6), [V20–V28](.3–.9), [ V29–V79](.4–.9), V80(.3–.5),V81.1, V82.1,  
[V83–V86](.0–.3),V87(.0–.8), V89.2

‡[V20–V28](.0–.2), [V29–V79](.0–.3), V80(.0–.2,.6–.9), [V81–V82](.0,.2–.9), [V83–V86](.4–.9), V87.9,V88(.0–.9), V89(.0,.1,.3,.9),  
X82, Y03, Y32  
Y36(.0,.2,.4–.8), Y85

Table 66  
Selected Chronic Disease Deaths by Age-Group and Sex of Decedent  
Kansas, 2010

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Total.....	3,644	1	2	1	4	18	43	204	430	626	1,095	1,220
Male.....	1,805	0	1	1	3	12	23	125	259	358	553	470
Female.....	1,839	1	1	0	1	6	20	79	171	268	542	750
Diabetes mellitus (E10-E14).....	655	0	0	0	1	4	12	55	110	123	177	173
Male.....	328	0	0	0	0	2	4	32	71	65	85	69
Female.....	327	0	0	0	1	2	8	23	39	58	92	104
Primary Hypertension/Hypertensive Renal Dis. and Secondary. Hypertension (I10, I12, I15).....	161	0	0	0	0	1	1	4	13	19	38	85
Male.....	65	0	0	0	0	1	1	1	6	11	21	24
Female.....	96	0	0	0	0	0	0	3	7	8	17	61
Atherosclerosis (I70).....	390	0	0	0	0	1	1	4	13	34	93	244
Male.....	144	0	0	0	0	1	0	4	10	15	38	76
Female.....	246	0	0	0	0	0	1	0	3	19	55	168
Chronic Lower Respiratory Diseases (J40-J47).....	1,581	0	2	1	0	3	6	49	157	315	588	460
Male.....	795	0	1	1	0	3	3	22	92	179	296	198
Female.....	786	0	1	0	0	0	3	27	65	136	292	262
Peptic Ulcer (K25-K28).....	31	0	0	0	0	0	0	5	3	5	6	12
Male.....	14	0	0	0	0	0	0	1	2	4	4	3
Female.....	17	0	0	0	0	0	0	4	1	1	2	9
Chronic Liver Disease and Cirrhosis (K70, K73-K74).....	245	0	0	0	1	3	17	62	80	43	29	10
Male.....	169	0	0	0	1	2	14	48	51	29	21	3
Female.....	76	0	0	0	0	1	3	14	29	14	8	7
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27).....	581	1	0	0	2	6	6	25	54	87	164	236
Male.....	290	0	0	0	2	3	1	17	27	55	88	97
Female.....	291	1	0	0	0	3	5	8	27	32	76	139

Table 67  
Occupation of Decedent\* by  
Selected Causes of Death  
Kansas, 2010

Occupation of Decedent	Total	Selected Causes of Death											
		Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Unintentional Injuries	Chronic Lower Respiratory Diseases	Suicide	Atherosclerosis	Chronic Liver Disease and Cirrhosis	Homicide	Peptic Ulcer	Hypertension	All Other Causes
Total.....	24,428	5,404	5,359	1,367	1,346	1,581	409	390	245	108	31	160	8,028
Management.....	2,972	739	705	154	148	187	42	33	18	2	6	18	920
Business and Financial Operations.....	493	99	140	27	14	34	8	13	3	1	0	1	153
Computer and Mathematical.....	132	22	36	5	13	6	6	2	1	0	0	1	40
Architecture and Engineering.....	319	72	90	17	16	17	7	7	1	1	0	2	89
Life, Physical, and Social Services.....	111	30	24	8	5	4	4	2	2	1	0	0	31
Community and Social Services.....	230	43	57	15	10	11	4	4	1	2	1	1	81
Legal.....	97	22	32	8	3	2	5	0	2	0	0	1	22
Education, Training, and Library.....	1,047	233	251	78	49	33	10	15	2	0	2	7	367
Arts, Design, Entertainment, Sports, and Media.....	220	43	54	11	10	11	7	6	9	0	1	2	66
Healthcare Practitioners and Technical.....	821	189	182	56	35	41	13	9	3	0	0	3	290
Healthcare Support.....	500	103	87	25	26	43	5	6	3	2	0	4	196
Protective Service.....	268	60	73	12	20	21	11	1	4	0	0	2	64
Food Preparation and Serving Related.....	618	147	122	27	41	41	12	12	6	6	2	3	199
Building and Grounds Cleaning and Maintenance.....	712	158	169	40	37	54	14	10	7	5	2	8	208
Personal Care and Service.....	301	62	72	13	19	22	1	9	6	1	0	3	93
Sales and Related.....	1,843	417	434	125	80	119	27	39	25	8	0	11	558
Office and Admin. Support.....	2,099	441	485	142	63	148	14	51	12	4	2	24	713
Farming, Forestry, and Fishing.....	57	14	8	0	8	7	1	0	1	0	0	0	18
Construction and Extraction.....	1,649	363	397	66	141	139	49	20	42	15	2	2	413
Installation, Repair, and Maintenance.....	915	192	263	36	48	73	16	11	21	3	0	4	248
Production.....	1,434	351	341	61	81	115	29	18	13	6	0	8	411
Transportation and Material Moving.....	1,421	324	344	60	78	113	38	20	23	11	2	7	401
Housewives, Students, Children, Volunteers, and None <sup>†</sup> .....	5,366	1,127	817	351	329	294	65	100	31	32	9	45	2,166
Retired.....	4	0	0	1	0	0	0	0	0	0	0	1	2
N.S.....	799	153	176	29	72	46	21	2	9	8	2	2	279

\*Due to changes in the coding of occupation, use caution when comparing prior years.

<sup>†</sup>This category includes those who were never employed.

Table 68  
Industry\* of Decedent's Occupation by Selected Causes of Death  
Kansas, 2010

Type of Industry	Total	Selected Causes of Death												
		Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Unintentional Injuries	Chronic Lower Respiratory Diseases	Suicide	Atherosclerosis	Chronic Liver Disease and Cirrhosis	Homicide	Peptic Ulcer	Hypertension	All Other Causes	
Total.....	24,428	5,404	5,359	1,367	1,346	1,581	409	390	245	108	31	160	8,028	
Agriculture, Forestry, Fishing and Hunting.....	1,540	436	311	74	85	103	15	5	9	1	2	11	488	
Mining.....	285	76	67	8	19	23	4	3	4	2	1	2	76	
Utilities.....	257	70	65	8	14	16	2	6	1	0	1	3	71	
Construction.....	1,477	328	374	54	138	116	55	17	35	10	3	2	345	
Manufacturing.....	2,684	583	701	124	142	211	49	44	26	6	1	15	782	
Wholesale Trade.....	346	78	80	19	21	25	3	6	6	0	0	3	105	
Retail Trade.....	1,681	379	386	107	77	106	31	39	25	7	1	9	514	
Transportation and Warehousing.....	1,178	256	294	45	45	108	22	21	23	6	2	10	346	
Information.....	464	96	115	26	18	35	9	10	5	2	1	3	144	
Finance and Insurance.....	646	134	144	56	18	52	12	13	6	1	1	3	206	
Real Estate, and Rental, and Leasing.....	212	45	56	14	16	9	5	5	1	0	0	1	60	
Professional, Scientific, and Technical Services.....	500	104	140	24	13	23	17	10	7	1	0	3	158	
Management of Companies and Enterprises.....	3	1	0	0	1	0	0	0	0	0	0	0	1	
Admin. and Support & Waste Management Services.....	252	50	64	12	17	17	13	7	4	6	0	0	62	
Educational Services.....	1,644	344	373	110	92	63	34	24	9	3	3	12	577	
Health Care and Social Assistance.....	1,931	414	414	125	93	120	23	22	11	4	1	13	691	
Arts, Entertainment, and Recreation.....	121	22	31	2	9	10	5	2	2	0	0	2	36	
Accommodation and Food Services.....	698	160	161	35	56	46	13	13	6	11	1	4	192	
Other Services (except Public Admin.).....	1,124	242	283	66	49	83	9	20	12	6	2	9	343	
Public Admin. and Active Duty Military.....	1,459	341	369	84	71	86	28	18	18	3	0	5	436	
Housewives, Students, Children, Volunteers and None <sup>T</sup> .....	5,272	1,125	801	346	301	290	46	100	31	29	9	45	2,149	
Retired.....	2	0	1	1	0	0	0	0	0	0	0	0	0	
N.S.....	652	120	129	27	51	39	14	5	4	10	2	5	246	

\*Due to changes in the coding of industry, use caution when comparing prior years.

<sup>T</sup>This category includes those who were never employed.

**Table 69**  
**Selected Causes of Death and Years of Potential Life Lost (YPLL)**  
**Before Age 75**  
**Kansas, 2010**

CAUSE OF DEATH (ICD-10)	Number of Deaths	Total Years Life Lost	Percent Years Lost By Cause	Rate <sup>†</sup> Years Lost By Cause
Total Deaths	24,426	185,376	100.0	65.0
Heart Disease (I00-I09, I11, I13, I20-I51)	5,403	24,676	13.3	8.6
Cancer (C00-C97)	5,359	38,890	21.0	13.6
Chronic Lower Respiratory Dis. (J40-J47)	1,581	5,535	3.0	1.9
Cerebrovascular Disease (I60-I69)	1,367	4,338	2.3	1.5
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	1,346	32,162	17.3	11.3
Alzheimer's Disease (G30)	816	226	0.1	0.1
Diabetes (E10-E14)	655	4,378	2.4	1.5
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	581	2,536	1.4	0.9
Pneumonia and Influenza (J09-J18)	552	1,788	1.0	0.6
Suicide (U03, X60-X84, Y87.0)	409	13,157	7.1	4.6
Atherosclerosis (I70)	390	535	0.3	0.2
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	245	3,913	2.1	1.4
Homicide (U01-U02, X85-Y09, Y87.1)	108	4,428	2.4	1.6
All Other Causes	5,614	48,814	26.3	17.1
Male Deaths	12,167	117,508	81.9	83.0
Cancer (C00-C97)	2,872	21,244	18.1	15.0
Heart Disease (I00-I09, I11, I13, I20-I51)	2,789	17,057	14.5	12.1
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	847	23,134	19.7	16.3
Chronic Lower Respiratory Dis. (J40-J47)	795	3,093	2.6	2.2
Cerebrovascular Disease (I60-I69)	545	2,542	2.2	1.8
Diabetes (E10-E14)	328	2,472	2.1	1.7
Suicide (U03, X60-X84, Y87.0)	319	10,201	8.7	7.2
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	290	1,376	1.2	1.0
Pneumonia and Influenza (J09-J18)	252	1,098	0.9	0.8
Alzheimer's Disease (G30)	228	97	0.1	0.1
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	169	2,864	2.4	2.0
Atherosclerosis (I70)	144	370	0.3	0.3
Homicide (U01-U02, X85-Y09, Y87.1)	81	3,530	3.0	2.5
All Other Causes	2,508	28,430	24.2	20.1
Female Deaths	12,259	67,868	100.0	47.2
Heart Disease (I00-I09, I11, I13, I20-I51)	2,614	7,619	11.2	5.3
Cancer (C00-C97)	2,487	17,646	26.0	12.3
Cerebrovascular Disease (I60-I69)	822	1,796	2.6	1.2
Chronic Lower Respiratory Dis. (J40-J47)	786	2,442	3.6	1.7
Alzheimer's Disease (G30)	588	129	0.2	0.1
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	499	9,028	13.3	6.3
Diabetes (E10-E14)	327	1,906	2.8	1.3
Pneumonia and Influenza (J09-J18)	300	690	1.0	0.5
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	291	1,160	1.7	0.8
Atherosclerosis (I70)	246	165	0.2	0.1
Suicide (U03, X60-X84, Y87.0)	90	2,956	4.4	2.1
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	76	1,049	1.5	0.7
Homicide (U01-U02, X85-Y09, Y87.1)	27	898	1.3	0.6
All Other Causes	3,106	20,384	30.0	14.2

<sup>†</sup>Rate per 1,000 population. Total does not include two deaths for which the age of the decedent was not stated.

## Percent Years of Potential Before Age 75

### By Selected Causes of Death Kansas, 2010

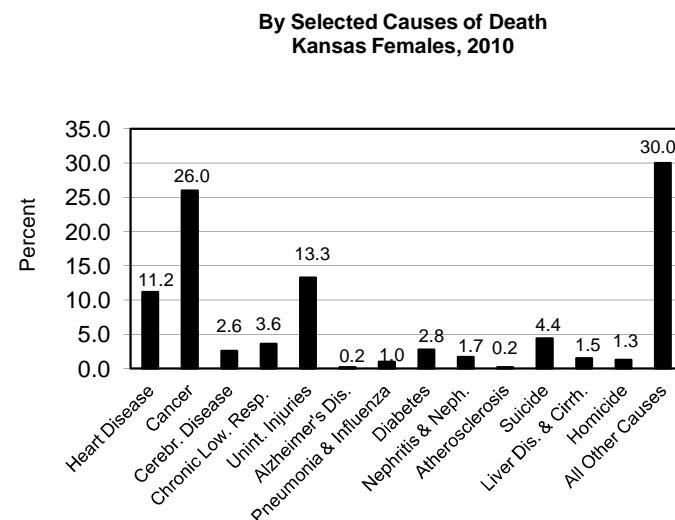
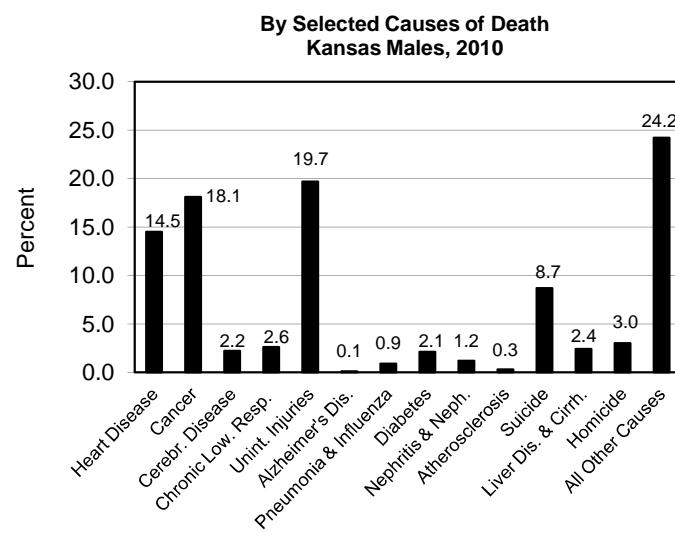
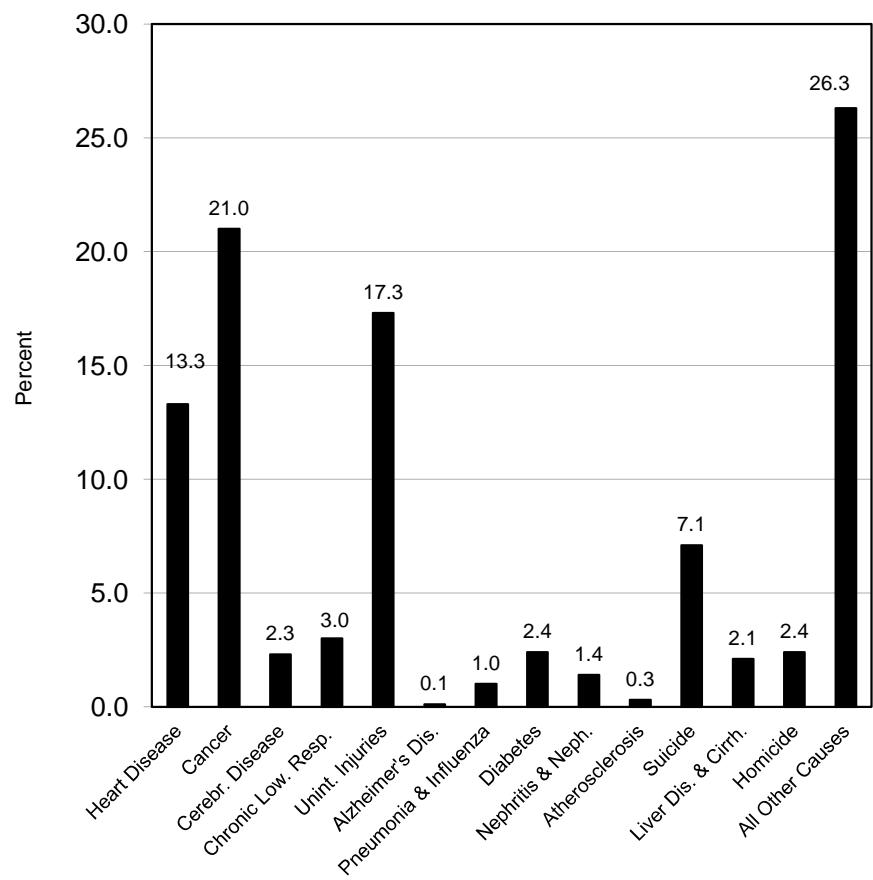


Figure 33

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Table 70  
 Deaths by Number and Percent Related to Tobacco  
 By County of Residence and by Peer Group\*  
 Kansas, 2010

**ERRATA see Page 198**

County of Residence	Did Tobacco Use Contribute to this death?				Total Deaths	Yes + Probably as Percent of Known
	Yes	Probably	No	Unknown		
Kansas.....	2,249	1,239	10,828	10,112	24,428	24.4
Allen.....	13	12	89	68	182	21.9
Anderson.....	14	6	34	41	95	37.0
Atchison.....	20	10	109	51	190	21.6
Barber.....	7	4	18	22	51	37.9
Barton.....	22	15	105	153	295	26.1
Bourbon.....	10	14	96	57	177	20.0
Brown.....	4	8	45	47	104	21.1
Butler.....	53	20	288	258	619	20.2
Chase.....	8	2	18	12	40	35.7
Chautauqua.....	8	4	24	17	53	33.3
Cherokee.....	30	17	87	144	278	35.1
Cheyenne.....	5	1	20	11	37	23.1
Clark.....	6	1	13	10	30	35.0
Clay.....	8	8	57	35	108	21.9
Cloud.....	16	5	58	51	130	26.6
Coffey.....	11	4	47	49	111	24.2
Comanche.....	5	2	20	12	39	25.9
Cowley.....	43	24	217	132	416	23.6
Crawford.....	46	25	149	219	439	32.3
Decatur.....	2	2	5	37	46	44.4
Dickinson.....	16	12	122	84	234	18.7
Doniphan.....	9	3	21	44	77	36.4
Douglas.....	61	42	257	267	627	28.6
Edwards.....	2	4	15	13	34	28.6
Elk.....	4	0	17	27	48	19.0
Ellis.....	17	11	84	113	225	25.0
Ellsworth.....	12	2	54	31	99	20.6
Finney.....	11	6	90	83	190	15.9
Ford.....	28	15	145	78	266	22.9
Franklin.....	37	20	102	86	245	35.8
Geary.....	26	19	111	48	204	28.8
Gove.....	1	1	17	7	26	10.5
Graham.....	6	6	13	14	39	48.0
Grant.....	8	1	27	21	57	25.0
Gray.....	0	3	34	17	54	8.1
Greeley.....	0	1	6	7	14	14.3
Greenwood.....	13	6	39	37	95	32.8
Hamilton.....	3	2	14	9	28	26.3
Harper.....	7	5	43	46	101	21.8
Harvey.....	41	9	211	138	399	19.2
Haskell.....	5	2	11	10	28	38.9
Hodgeman.....	3	0	9	5	17	25.0
Jackson.....	18	10	56	34	118	33.3
Jefferson.....	14	10	87	72	183	21.6
Jewell.....	3	1	12	19	35	25.0
Johnson.....	241	122	1,646	1,291	3,300	18.1
Kearny.....	3	1	13	17	34	23.5
Kingman.....	8	3	47	23	81	19.0
Kiowa.....	2	1	10	9	22	23.1
Labette.....	22	12	69	146	249	33.0
Lane.....	0	1	9	6	16	10.0
Leavenworth.....	50	19	224	261	554	23.5
Lincoln.....	4	3	16	17	40	30.4
Linn.....	17	7	36	49	109	40.0
Logan.....	1	3	18	7	29	18.2

Table 70  
 Deaths by Number and Percent Related to Tobacco  
 By County of Residence and by Peer Group\*  
 Kansas, 2010

**ERRATA see Page 198**

County of Residence	Did Tobacco Use Contribute to this death?				Total Deaths	Yes + Probably as Percent of Known
	Yes	Probably	No	Unknown		
Lyon.....	27	11	143	82	263	21.0
McPherson.....	25	12	192	119	348	16.2
Marion.....	4	7	96	34	141	10.3
Marshall.....	18	12	44	57	131	40.5
Meade.....	10	2	19	19	50	38.7
Miami.....	28	22	163	77	290	23.5
Mitchell.....	15	11	41	32	99	38.8
Montgomery.....	82	17	180	177	456	35.5
Morris.....	15	1	34	21	71	32.0
Morton.....	4	3	18	11	36	28.0
Nemaha.....	6	2	77	50	135	9.4
Neosho.....	16	9	104	67	196	19.4
Ness.....	2	1	25	9	37	10.7
Norton.....	9	3	42	11	65	22.2
Osage.....	19	7	58	80	164	31.0
Osborne.....	8	6	24	8	46	36.8
Ottawa.....	3	6	45	18	72	16.7
Pawnee.....	8	3	26	36	73	29.7
Phillips.....	6	3	21	40	70	30.0
Pottawatomie.....	16	14	75	41	146	28.6
Pratt.....	13	6	52	50	121	26.8
Rawlins.....	6	6	14	9	35	46.2
Reno.....	74	48	359	204	685	25.4
Republic.....	8	0	12	60	80	40.0
Rice.....	19	5	55	42	121	30.4
Riley.....	25	11	189	87	312	16.0
Rooks.....	9	1	27	19	56	27.0
Rush.....	2	4	16	24	46	27.3
Russell.....	5	6	34	60	105	24.4
Saline.....	77	32	216	193	518	33.5
Scott.....	0	0	16	40	56	0.0
Sedgwick.....	251	180	1,433	2,056	3,920	23.1
Seward.....	11	10	55	58	134	27.6
Shawnee.....	207	95	726	613	1,641	29.4
Sheridan.....	4	3	6	22	35	53.8
Sherman.....	8	3	22	29	62	33.3
Smith.....	6	5	44	8	63	20.0
Stafford.....	5	3	21	39	68	27.6
Stanton.....	1	0	7	9	17	12.5
Stevens.....	13	0	16	23	52	44.8
Sumner.....	18	13	113	132	276	21.5
Thomas.....	3	7	39	38	87	20.4
Trego.....	0	2	28	17	47	6.7
Wabaunsee.....	5	12	35	24	76	32.7
Wallace.....	2	3	10	6	21	33.3
Washington.....	5	1	46	21	73	11.5
Wichita.....	3	2	10	7	22	33.3
Wilson.....	11	6	62	50	129	21.5
Woodson.....	5	4	24	16	49	27.3
Wyandotte.....	108	72	526	602	1,308	25.5
N.S.	0	0	4	3	7	n/a
Peer Group						
Frontier .....	156	90	617	551	1,414	28.5
Rural .....	281	149	1,310	1,143	2,883	24.7
Densely -Settled Rural .....	405	247	2,117	1,838	4,607	23.5
Semi-Urban .....	489	223	1,968	1,487	4,167	26.6
Urban .....	918	530	4,812	5,090	11,350	23.1

\* See Technical Notes for Peer Group definition.

Table 71  
 Deaths from 39 Selected Causes by Number and Percent and Sex of Decedent  
 Related to Tobacco  
 Kansas, 2010

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Did Tobacco Use Contribute to This Death?					
		Yes	Probably	Yes + Probably as % of Known	No	Total Known	Unknown
All Causes.....	24,428	2,249	1,239	24.4	10,828	14,316	10,112
Male.....	12,168	1,337	771	30.4	4,817	6,925	5,243
Female.....	12,260	912	468	18.7	6,011	7,391	4,869
Tuberculosis							
(A16-A19).....	3	2	0	66.7	1	3	0
Male.....	2	1	0	50.0	1	2	0
Female.....	1	1	0	100.0	0	1	0
Syphilis							
(A50-A53).....	0	0	0		0	0	0
Male.....	0	0	0		0	0	0
Female.....	0	0	0		0	0	0
HIV/AIDS							
(B20-B24).....	27	1	2	18.8	13	16	11
Male.....	21	0	1	9.1	10	11	10
Female.....	6	1	1	40.0	3	5	1
Cancer of Stomach							
(C16).....	82	5	5	20.8	38	48	34
Male.....	51	3	2	17.9	23	28	23
Female.....	31	2	3	25.0	15	20	11
Cancer of Colon, Rectum & Anus							
(C18-C21).....	498	9	13	7.7	263	285	213
Male.....	273	5	8	8.6	139	152	121
Female.....	225	4	5	6.8	124	133	92
Cancer of Pancreas							
(C25).....	345	11	13	12.1	174	198	147
Male.....	182	7	7	14.3	84	98	84
Female.....	163	4	6	10.0	90	100	63
Cancer of Trachea, Bronchus & Lung							
(C33-C34).....	1,512	609	223	86.5	130	962	550
Male.....	838	364	120	90.5	51	535	303
Female.....	674	245	103	81.5	79	427	247
Cancer of Breast							
(C50).....	360	4	6	5.0	190	200	160
Male.....	5	1	0	25.0	3	4	1
Female.....	355	3	6	4.6	187	196	159
Cancer of Cervix, Corpus & Ovary							
(C53-C56).....	227	2	3	3.5	139	144	83
Male.....	0	0	0		0	0	0
Female.....	227	2	3	3.5	139	144	83
Cancer of Prostate							
(C61).....	262	4	6	7.0	133	143	119
Male.....	262	4	6	7.0	133	143	119
Female.....	0	0	0		0	0	0

Table 71  
 Deaths from 39 Selected Causes by Number and Percent and Sex of Decedent  
 Related to Tobacco  
 Kansas, 2010

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Did Tobacco Use Contribute to This Death?					
		Yes	Probably	Yes + Probably as % of Known	No	Total Known	Unknown
Cancer of Urinary Tract (C64-C68).....	276	17	17	22.2	119	153	123
Male.....	181	15	13	27.2	75	103	78
Female.....	95	2	4	12.0	44	50	45
Non-Hodgkin's Lymphoma (C82-C85).....	200	6	4	8.5	107	117	83
Male.....	113	3	2	7.8	59	64	49
Female.....	87	3	2	9.4	48	53	34
Leukemia (C91-C95).....	249	4	3	4.5	150	157	92
Male.....	135	3	2	5.8	81	86	49
Female.....	114	1	1	2.8	69	71	43
Other Malignant Neoplasms*	1,348	88	98	24.0	590	776	572
Male.....	832	74	68	30.0	331	473	359
Female.....	516	14	30	14.5	259	303	213
Diabetes mellitus (E10-E14).....	655	40	44	22.0	298	382	273
Male.....	328	25	39	34.0	124	188	140
Female.....	327	15	5	10.3	174	194	133
Alzheimer's Disease (G30).....	816	11	9	3.8	503	523	293
Male.....	228	5	4	6.3	134	143	85
Female.....	588	6	5	2.9	369	380	208
Hypertensive Heart Disease (I11, I13).....	131	5	7	16.0	63	75	56
Male.....	50	3	5	29.6	19	27	23
Female.....	81	2	2	8.3	44	48	33
Ischemic Heart Disease (I20-I25).....	3,169	338	204	33.0	1,101	1,643	1,526
Male.....	1,826	232	148	42.5	514	894	932
Female.....	1,343	106	56	21.6	587	749	594
Other Heart Disease (I00-I09, I26-I51).....	2,104	83	84	14.7	972	1,139	965
Male.....	914	48	48	22.0	341	437	477
Female.....	1,190	35	36	10.1	631	702	488
Prim. Hypertension/ Hypertensive Renal Dis. & Sec. Hypertension (I10, I12, I15).....	161	10	6	16.5	81	97	64
Male.....	65	6	5	28.2	28	39	26
Female.....	96	4	1	8.6	53	58	38

Table 71  
 Deaths from 39 Selected Causes by Number and Percent and Sex of Decedent  
 Related to Tobacco  
 Kansas, 2010

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Did Tobacco Use Contribute to This Death?					
		Yes	Probably	Yes + Probably as % of Known	No	Total Known	Unknown
Cerebrovascular Disease (I60-I69).....	1,367	45	47	12.9	620	712	655
Male.....	545	21	28	18.7	213	262	283
Female.....	822	24	19	9.6	407	450	372
Atherosclerosis (I70).....	390	6	2	2.3	346	354	36
Male.....	144	3	1	3.1	125	129	15
Female.....	246	3	1	1.8	221	225	21
Other Disease of Circulatory System ( I71-I78).....	182	30	12	45.7	50	92	90
Male.....	84	15	8	59.0	16	39	45
Female.....	98	15	4	35.8	34	53	45
Pneumonia & Influenza (J09-J18).....	555	11	14	8.4	271	296	259
Male.....	253	7	7	11.4	109	123	130
Female.....	302	4	7	6.4	162	173	129
Chronic Lower Respiratory Disease (J40-J47).....	1,581	725	205	85.6	156	1,086	495
Male.....	795	378	112	88.3	65	555	240
Female.....	786	347	93	82.9	91	531	255
Peptic Ulcer (K25-K28).....	31	3	0	14.3	18	21	10
Male.....	14	3	0	30.0	7	10	4
Female.....	17	0	0	0.0	11	11	6
Chonic Liver Disease & Cirrhosis (K70, K73-K74).....	245	11	10	15.6	114	135	110
Male.....	169	9	7	16.3	82	98	71
Female.....	76	2	3	13.5	32	37	39
Nephritis, Nephrotic Syndrome & Nephrosis (N00-N07,N17-N19, N25-N27).....	581	13	17	10.6	253	283	298
Male.....	290	10	14	18.3	107	131	159
Female.....	291	3	3	3.9	146	152	139
Pregnancy, Childbirth, & the Puerperium (O00-O99).....	10	0	0	0.0	4	4	6
Male.....	0	0	0	0	0	0	0
Female.....	10	0	0	0.0	4	4	6
Certain Conditons Originating In the Perinatal Period (P00-P96).....	112	1	0	1.1	86	87	25
Male.....	70	1	0	1.8	55	56	14
Female.....	42	0	0	0.0	31	31	11

Table 71  
 Deaths from 39 Selected Causes by Number and Percent and Sex of Decedent  
 Related to Tobacco  
 Kansas, 2010

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Did Tobacco Use Contribute to This Death?					
		Yes	Probably	Yes + Probably as % of Known	No	Total Known	Unknown
Congenital Anomalies (Q00-Q99).....	109	2	2	4.7	81	85	24
Male.....	59	0	2	4.9	39	41	18
Female.....	50	2	0	4.5	42	44	6
Sudden Infant Death Syndrome (R95).....	26	0	0	0.0	21	21	5
Male.....	14	0	0	0.0	10	10	4
Female.....	12	0	0	0.0	11	11	1
Symptoms and Abnormal Findings (R00-R94, R96-R99).....	483	1	3	1.9	208	212	271
Male.....	206	1	1	3.0	64	66	140
Female.....	277	0	2	1.4	144	146	131
All Other Diseases <sup>†</sup> .....	4,408	128	133	10.2	2,295	2,556	1,852
Male.....	1,941	75	84	14.6	931	1,090	851
Female.....	2,467	53	49	7.0	1,364	1,466	1,001
Motor Vehicle Accidents <sup>‡</sup> .....	470	0	5	1.4	349	354	116
Male.....	326	0	3	1.2	242	245	81
Female.....	144	0	2	1.8	107	109	35
All Other Accidents and Adverse Effects <sup>§</sup> .....	876	21	32	10.6	448	501	375
Male.....	521	13	18	10.3	269	300	221
Female.....	355	8	14	10.9	179	201	154
Suicide							
U03, X60-X84, Y87.0.....	409	2	7	2.8	309	318	91
Male.....	319	1	5	2.4	245	251	68
Female.....	90	1	2	4.5	64	67	23
Homicide							
U01-U02, X85-Y09, Y87.1.....	108	1	0	1.1	94	95	13
Male.....	81	1	0	1.4	71	72	9
Female.....	27	0	0	0.0	23	23	4
All Other External Causes							
Y10-Y36, Y87.2, Y89.....	60	0	3	7.0	40	43	17
Male.....	31	0	3	15.0	17	20	11
Female.....	29	0	0	0.0	23	23	6

\* C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-C97

<sup>†</sup>A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15, N20-N23, N28-N98, L

<sup>‡</sup>V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V8

<sup>§</sup>V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-X59, Y40-Y86, Y88

Table 72  
Deaths from 39 Selected Causes  
By Age-Group and Sex of Decedent  
Kansas, 2010

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
All Causes.....	24,428	253	62	64	311	412	565	1,639	2,812	3,607	6,113	8,588	2
Male.....	12,168	149	34	36	233	293	354	1,029	1,736	2,073	3,101	3,129	1
Female.....	12,260	104	28	28	78	119	211	610	1,076	1,534	3,012	5,459	1
Tuberculosis													
(A16-A19).....	3	0	0	0	0	0	0	0	1	0	0	2	0
Male.....	2	0	0	0	0	0	0	0	1	0	0	1	0
Female.....	1	0	0	0	0	0	0	0	0	0	0	1	0
Syphilis													
(A50-A53).....	0	0	0	0	0	0	0	0	0	0	0	0	0
Male.....	0	0	0	0	0	0	0	0	0	0	0	0	0
Female.....	0	0	0	0	0	0	0	0	0	0	0	0	0
HIV/AIDS													
(B20-B24).....	27	0	0	0	1	2	6	7	9	0	2	0	0
Male.....	21	0	0	0	1	1	4	5	8	0	2	0	0
Female.....	6	0	0	0	0	1	2	2	1	0	0	0	0
Cancer of Stomach													
(C16).....	82	0	0	0	0	3	1	5	14	15	23	21	0
Male.....	51	0	0	0	0	1	0	3	7	10	14	16	0
Female.....	31	0	0	0	0	2	1	2	7	5	9	5	0
Cancer of Colon, Rectum & Anus													
(C18-C21).....	498	0	0	0	0	0	15	56	81	116	115	115	0
Male.....	273	0	0	0	0	0	12	30	56	72	60	43	0
Female.....	225	0	0	0	0	0	3	26	25	44	55	72	0
Cancer of Pancreas													
(C25).....	345	0	0	0	0	2	6	26	62	88	101	60	0
Male.....	182	0	0	0	0	2	4	14	41	56	48	17	0
Female.....	163	0	0	0	0	0	2	12	21	32	53	43	0
Cancer of Trachea, Bronchus & Lung													
(C33-C34).....	1,512	0	0	0	0	0	6	121	299	454	435	197	0
Male.....	838	0	0	0	0	0	3	75	172	253	237	98	0
Female.....	674	0	0	0	0	0	3	46	127	201	198	99	0
Cancer of Breast													
(C50).....	360	0	0	0	0	2	22	44	83	70	65	74	0
Male.....	5	0	0	0	0	0	0	0	1	3	1	0	0
Female.....	355	0	0	0	0	2	22	44	82	67	64	74	0
Cancer of Cervix, Corpus & Ovary													
(C53-C56).....	227	0	0	0	1	3	6	20	42	55	63	37	0
Male.....	0	0	0	0	0	0	0	0	0	0	0	0	0
Female.....	227	0	0	0	1	3	6	20	42	55	63	37	0
Cancer of Prostate													
(C61).....	262	0	0	0	0	0	1	1	22	45	90	103	0
Male.....	262	0	0	0	0	0	1	1	22	45	90	103	0
Female.....	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 72  
Deaths from 39 Selected Causes  
By Age-Group and Sex of Decedent  
Kansas, 2010

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Cancer of Urinary Tract (C64-C68).....	276	0	0	0	0	0	2	23	46	67	77	61	0
Male.....	181	0	0	0	0	0	1	14	35	43	49	39	0
Female.....	95	0	0	0	0	0	1	9	11	24	28	22	0
Non-Hodgkin's Lymphoma (C82-C85).....	200	0	0	0	0	0	3	11	28	48	67	43	0
Male.....	113	0	0	0	0	0	3	8	16	26	39	21	0
Female.....	87	0	0	0	0	0	0	3	12	22	28	22	0
Leukemia (C91-C95).....	249	1	1	2	3	4	3	9	25	49	81	71	0
Male.....	135	0	0	2	2	2	1	7	15	34	43	29	0
Female.....	114	1	1	0	1	2	2	2	10	15	38	42	0
Other Malignant Neoplasms*	1,348	0	2	5	6	20	31	122	298	310	330	224	0
Male.....	832	0	2	3	5	11	16	84	201	204	201	105	0
Female.....	516	0	0	2	1	9	15	38	97	106	129	119	0
Diabetes mellitus (E10-E14).....	655	0	0	0	1	4	12	55	110	123	177	173	0
Male.....	328	0	0	0	0	2	4	32	71	65	85	69	0
Female.....	327	0	0	0	1	2	8	23	39	58	92	104	0
Alzheimer's Disease (G30).....	816	0	0	0	0	0	0	0	3	47	238	528	0
Male.....	228	0	0	0	0	0	0	0	1	20	82	125	0
Female.....	588	0	0	0	0	0	0	0	2	27	156	403	0
Hypertensive Heart Disease (I11, I13).....	131	0	0	0	0	1	3	9	10	8	26	74	0
Male.....	50	0	0	0	0	1	3	7	6	6	12	15	0
Female.....	81	0	0	0	0	0	0	2	4	2	14	59	0
Ischemic Heart Disease (I20-I25).....	3,169	0	0	0	1	9	55	188	403	465	819	1,229	0
Male.....	1,826	0	0	0	1	6	43	143	296	326	464	547	0
Female.....	1,343	0	0	0	0	3	12	45	107	139	355	682	0
Other Heart Disease (I00-I09, I26-I51).....	2,104	7	1	0	5	15	38	93	147	212	488	1,097	1
Male.....	914	3	0	0	3	9	23	49	98	130	238	360	1
Female.....	1,190	4	1	0	2	6	15	44	49	82	250	737	0
Prim. Hypertension/ Hypertensive Renal Dis. & Sec. Hypertension (I10, I12, I15).....	161	0	0	0	0	1	1	4	13	19	38	85	0
Male.....	65	0	0	0	0	1	1	1	6	11	21	24	0
Female.....	96	0	0	0	0	0	0	3	7	8	17	61	0

Table 72  
Deaths from 39 Selected Causes  
By Age-Group and Sex of Decedent  
Kansas, 2010

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group											85 & Over	N.S.
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84			
Cerebrovascular Disease (I60-I69).....	1,367	1	1	1	4	4	9	47	100	157	364	679	0	
Male.....	545	1	0	1	3	3	5	27	58	74	173	200	0	
Female.....	822	0	1	0	1	1	4	20	42	83	191	479	0	
Atherosclerosis (I70).....	390	0	0	0	0	1	1	4	13	34	93	244	0	
Male.....	144	0	0	0	0	1	0	4	10	15	38	76	0	
Female.....	246	0	0	0	0	0	1	0	3	19	55	168	0	
Other Disease of Circulatory System ( I71-I78).....	182	0	0	0	1	0	5	13	14	25	56	68	0	
Male.....	84	0	0	0	0	0	4	11	11	12	26	20	0	
Female.....	98	0	0	0	1	0	1	2	3	13	30	48	0	
Pneumonia & Influenza (J09-J18).....	555	0	3	0	2	2	7	19	31	46	137	308	0	
Male.....	253	0	2	0	1	1	5	12	16	24	74	118	0	
Female.....	302	0	1	0	1	1	2	7	15	22	63	190	0	
Chronic Lower Respiratory Disease (J40-J47).....	1,581	0	2	1	0	3	6	49	157	315	588	460	0	
Male.....	795	0	1	1	0	3	3	22	92	179	296	198	0	
Female.....	786	0	1	0	0	0	3	27	65	136	292	262	0	
Peptic Ulcer (K25-K28).....	31	0	0	0	0	0	0	5	3	5	6	12	0	
Male.....	14	0	0	0	0	0	0	1	2	4	4	3	0	
Female.....	17	0	0	0	0	0	0	4	1	1	2	9	0	
Chonic Liver Disease & Cirrhosis (K70, K73-K74).....	245	0	0	0	1	3	17	62	80	43	29	10	0	
Male.....	169	0	0	0	1	2	14	48	51	29	21	3	0	
Female.....	76	0	0	0	0	1	3	14	29	14	8	7	0	
Nephritis, Nephrotic Syndrome & Nephrosis (N00-N07,N17-N19, N25-N27).....	581	1	0	0	2	6	6	25	54	87	164	236	0	
Male.....	290	0	0	0	2	3	1	17	27	55	88	97	0	
Female.....	291	1	0	0	0	3	5	8	27	32	76	139	0	
Pregnancy, Childbirth, & the Puerperium (O00-O99).....	10	0	0	0	2	5	3	0	0	0	0	0	0	
Male.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
Female.....	10	0	0	0	2	5	3	0	0	0	0	0	0	
Certain Conditons Originating In the Perinatal Period (P00-P96).....	112	111	0	0	0	0	1	0	0	0	0	0	0	
Male.....	70	69	0	0	0	0	1	0	0	0	0	0	0	
Female.....	42	42	0	0	0	0	0	0	0	0	0	0	0	

Table 72  
Deaths from 39 Selected Causes  
By Age-Group and Sex of Decedent  
Kansas, 2010

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Congenital Anomalies (Q00-Q99).....	109	66	3	4	4	4	2	9	9	3	3	2	0
Male.....	59	35	1	1	1	3	1	8	6	2	1	0	0
Female.....	50	31	2	3	3	1	1	1	3	1	2	2	0
Sudden Infant Death Syndrome (R95).....	26	26	0	0	0	0	0	0	0	0	0	0	0
Male.....	14	14	0	0	0	0	0	0	0	0	0	0	0
Female.....	12	12	0	0	0	0	0	0	0	0	0	0	0
Symptoms and Abnormal Findings (R00-R94, R96-R99).....	483	10	7	1	11	12	17	42	40	41	73	228	1
Male.....	206	6	2	1	9	6	9	26	25	21	40	61	0
Female.....	277	4	5	0	2	6	8	16	15	20	33	167	1
All Other Diseases <sup>†</sup> .....	4,408	14	10	14	20	41	74	242	374	525	1,182	1,912	0
Male.....	1,941	10	6	7	12	27	43	150	215	267	558	646	0
Female.....	2,467	4	4	7	8	14	31	92	159	258	624	1,266	0
Motor Vehicle Accidents <sup>‡</sup> .....	470	0	8	16	114	70	45	60	61	38	41	17	0
Male.....	326	0	4	6	78	56	30	49	48	18	26	11	0
Female.....	144	0	4	10	36	14	15	11	13	20	15	6	0
All Other Accidents and Adverse Effects <sup>§</sup> .....	876	13	17	12	43	77	74	128	105	70	129	208	0
Male.....	521	8	12	8	38	64	54	85	69	46	60	77	0
Female.....	355	5	5	4	5	13	20	43	36	24	69	131	0
Suicide													
U03, X60-X84, Y87.0.....	409	0	0	4	62	79	58	105	60	24	11	6	0
Male.....	319	0	0	3	51	60	47	74	47	22	9	6	0
Female.....	90	0	0	1	11	19	11	31	13	2	2	0	0
Homicide													
U01-U02, X85-Y09, Y87.1.....	108	3	3	4	21	31	18	16	7	3	1	1	0
Male.....	81	3	3	3	20	23	12	11	4	1	1	0	0
Female.....	27	0	0	1	1	8	6	5	3	2	0	1	0
All Other External Causes													
Y10-Y36, Y87.2, Y89.....	60	0	4	0	6	8	11	19	8	0	1	3	0
Male.....	31	0	1	0	5	5	6	11	2	0	0	1	0
Female.....	29	0	3	0	1	3	5	8	6	0	1	2	0

\* C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-C97

<sup>†</sup>A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15, N20-N23, N28-N98, U04

<sup>‡</sup>V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

<sup>§</sup>V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1,

V89.3, V89.9, V90-X59, Y40-Y86, Y88

**Table 73**  
**Selected Causes of Death by County of Residence**  
**Kansas, 2010**

County of Residence	All Causes	Selected Causes of Death (ICD-10)							
		Tuber-culosis (A16-A19)	Residual Infect. & Para-sitic Dis. (A00-A15, A20-B99)	All Malignant Neoplasms (C00-C97)	Malignant Neoplasms of Digestive Organs (C15-C26)	Malignant Neoplasms of Respiratory and Intrathoracic Organs (C30-C39)	Malignant Neoplasm of Breast (C50)	Malignant Neoplasms of Genital Organs (C51-C63)	Malignant Neoplasms of Urinary Tract (C64-C68)
Kansas.....	24,428	3	537	5,359	1,290	1,539	360	507	276
Allen.....	182	0	10	23	7	7	1	0	2
Anderson.....	95	0	5	17	2	6	2	2	0
Atchison.....	190	0	2	44	15	13	1	3	4
Barber.....	51	0	0	15	4	2	2	2	0
Barton.....	295	0	2	73	18	19	6	3	5
Bourbon.....	177	0	6	38	5	15	3	9	1
Brown.....	104	0	0	18	4	4	3	1	0
Butler.....	619	0	16	144	35	45	8	7	10
Chase.....	40	0	1	8	2	4	0	0	0
Chautauqua.....	53	0	0	13	2	7	0	0	0
Cherokee.....	278	0	10	62	11	20	4	5	3
Cheyenne.....	37	0	1	8	1	3	0	1	0
Clark.....	30	0	0	7	5	0	0	0	0
Clay.....	108	0	4	26	9	6	1	1	2
Cloud.....	130	0	3	18	5	4	1	0	1
Coffey.....	111	0	2	23	1	7	3	0	3
Comanche.....	39	0	1	10	3	3	0	2	1
Cowley.....	416	0	11	79	21	15	3	10	5
Crawford.....	439	0	9	82	19	32	4	5	4
Decatur.....	46	0	3	10	4	2	1	0	0
Dickinson.....	234	0	5	47	9	15	0	8	4
Doniphan.....	77	0	2	15	3	8	1	0	0
Douglas.....	627	0	14	129	39	28	13	9	7
Edwards.....	34	0	0	8	3	3	0	0	0
Elk.....	48	0	2	15	5	7	0	1	1
Ellis.....	225	0	3	50	12	14	3	2	4
Ellsworth.....	99	0	1	21	5	6	1	6	0
Finney.....	190	0	3	42	6	7	5	2	2
Ford.....	266	0	2	57	10	22	3	11	2
Franklin.....	245	0	4	58	9	24	2	5	3
Geary.....	204	0	2	45	11	16	3	1	1
Gove.....	26	0	0	4	1	0	1	0	0
Graham.....	39	0	1	7	0	5	0	0	0
Grant.....	57	0	4	10	5	3	0	1	0
Gray.....	54	0	0	10	4	1	3	1	0
Greeley.....	14	0	2	4	1	0	1	0	1
Greenwood.....	95	0	1	23	3	7	2	0	1
Hamilton.....	28	0	0	6	0	2	1	0	0
Harper.....	101	0	2	14	7	1	0	0	1
Harvey.....	399	0	8	71	21	18	1	6	2
Haskell.....	28	0	0	3	1	0	0	0	1
Hodgeman.....	17	0	0	4	1	1	0	0	0
Jackson.....	118	0	4	29	10	7	2	2	1
Jefferson.....	183	0	4	46	15	9	0	2	3
Jewell.....	35	0	0	10	2	4	0	2	1
Johnson.....	3,300	1	61	775	174	214	63	76	36
Kearny.....	34	0	0	2	1	0	0	1	0
Kingman.....	81	0	3	15	3	3	0	2	2
Kiowa.....	22	0	0	8	1	4	0	1	1
Labette.....	249	0	8	56	13	20	6	4	4
Lane.....	16	0	0	2	1	0	0	0	0
Leavenworth.....	554	0	9	124	33	37	8	10	9
Lincoln.....	40	0	0	10	1	5	2	1	0
Linn.....	109	0	1	34	4	15	2	4	0
Logan.....	29	0	0	7	2	2	0	1	0

**Table 73**  
**Selected Causes of Death by County of Residence**  
**Kansas, 2010**

County of Residence	All Causes	Selected Causes of Death (ICD-10)							
		Tuber-culosis (A16-A19)	Residual Infect. & Para-sitic Dis. (A00-A15, A20-B99)	All Malignant Neoplasms (C00-C97)	Malignant Neoplasms of Digestive Organs (C15-C26)	Malignant Neoplasms of Respiratory and Intrathoracic Organs (C30-C39)	Malignant Neoplasm of Breast (C50)	Malignant Neoplasms of Genital Organs (C51-C63)	Malignant Neoplasms of Urinary Tract (C64-C68)
Lyon.....	263	0	3	48	9	18	4	4	3
McPherson.....	348	0	7	76	20	16	7	11	5
Marion.....	141	0	1	33	6	9	3	3	4
Marshall.....	131	0	3	20	4	7	3	2	1
Meade.....	50	0	3	8	1	3	1	0	0
Miami.....	290	0	4	66	18	19	4	6	2
Mitchell.....	99	0	3	19	3	9	1	0	0
Montgomery.....	456	0	7	100	27	36	5	12	5
Morris.....	71	0	1	14	5	4	0	4	0
Morton.....	36	0	2	8	0	0	2	1	1
Nemaha.....	135	0	2	29	7	5	2	2	3
Neosho.....	196	0	7	36	9	6	3	4	1
Ness.....	37	0	0	8	3	0	2	2	1
Norton.....	65	0	2	12	2	2	1	2	0
Osage.....	164	0	7	31	11	9	1	1	1
Osborne.....	46	0	1	9	1	3	0	1	1
Ottawa.....	72	0	1	12	4	6	1	0	0
Pawnee.....	73	0	2	13	4	2	1	0	0
Phillips.....	70	0	2	15	3	5	2	0	1
Pottawatomie..	146	0	3	34	10	8	1	4	4
Pratt.....	121	0	5	22	3	7	3	1	1
Rawlins.....	35	0	1	8	2	1	0	0	1
Reno.....	685	0	4	161	35	51	12	20	8
Republic.....	80	0	3	19	4	6	1	2	2
Rice.....	121	0	3	30	9	9	4	2	0
Riley.....	312	0	3	61	21	11	4	9	3
Rooks.....	56	0	1	14	2	1	1	1	0
Rush.....	46	0	2	11	3	1	0	0	0
Russell.....	105	0	0	27	6	5	2	2	5
Saline.....	518	0	14	121	26	32	7	9	5
Scott.....	56	0	2	10	4	2	1	1	0
Sedgwick.....	3,920	1	100	855	196	270	56	90	40
Seward.....	134	0	5	33	7	7	2	6	2
Shawnee.....	1,641	1	30	369	94	105	24	37	14
Sheridan.....	35	0	0	6	0	0	0	2	1
Sherman.....	62	0	0	14	3	3	0	1	0
Smith.....	63	0	0	14	4	2	1	1	0
Stafford.....	68	0	1	9	4	2	1	1	1
Stanton.....	17	0	1	4	2	0	0	0	1
Stevens.....	52	0	1	8	3	1	1	1	1
Sumner.....	276	0	10	61	13	22	1	7	3
Thomas.....	87	0	2	24	5	4	3	1	1
Trego.....	47	0	0	11	6	2	0	0	1
Wabaunsee.....	76	0	5	19	6	3	2	2	2
Wallace.....	21	0	0	2	0	0	0	1	0
Washington.....	73	0	2	17	4	4	0	0	2
Wichita.....	22	0	0	8	0	3	0	1	2
Wilson.....	129	0	1	23	6	4	0	5	1
Woodson.....	49	0	0	11	2	5	1	0	2
Wyandotte.....	1,308	0	48	315	84	86	23	35	16
N.S.	7	0	0	2	0	1	0	0	0

Table 73  
Selected Causes of Death by County of Residence  
Kansas, 2010

County of Residence	Leukemia (C91-C95)	Selected Causes of Death (ICD-10)								
		Other Malignant Neoplasms (C00-C14, C40-C49, C69-C90, C96-C97)	Diabetes mellitus (E10-E14)	Alzheimer's Disease (G30)	Major Cardio-vascular Diseases (I00-I78)	Diseases of Heart (I00-I09, I11, I13, I20-I51)	Rheumatic Fever and Rheumatic Heart Diseases (I00-I09)	Hypertensive Heart Disease w, w/out Renal Disease (I11, I13)	Ischemic Heart Diseases (I20-I25)	Other Heart Diseases (I26-I51)
Kansas.....	249	1,138	655	816	7,504	5,404	34	131	3,169	2,070
Allen.....	4	2	9	7	59	43	0	0	21	22
Anderson.....	1	4	1	7	28	22	0	2	11	9
Atchison.....	3	5	7	8	61	47	1	0	30	16
Barber.....	1	4	4	1	15	12	0	0	7	5
Barton.....	2	20	11	9	90	72	0	2	52	18
Bourbon.....	1	4	5	0	61	45	0	0	24	21
Brown.....	0	6	8	4	41	32	0	3	12	17
Butler.....	6	33	12	10	179	134	0	6	79	49
Chase.....	0	2	0	3	12	8	0	0	5	3
Chautauqua.....	0	4	1	2	18	16	0	0	12	4
Cherokee.....	3	16	14	16	91	69	0	2	42	25
Cheyenne.....	0	3	0	1	11	10	0	0	6	4
Clark.....	0	2	2	0	12	10	0	0	8	2
Clay.....	1	6	1	6	27	18	0	0	11	7
Cloud.....	1	6	2	9	40	29	0	0	18	11
Coffey.....	2	7	2	11	27	24	0	0	15	9
Comanche.....	0	1	1	0	15	14	0	0	10	4
Cowley.....	6	19	18	24	136	104	0	3	59	42
Crawford.....	4	14	12	31	148	122	1	2	78	41
Decatur.....	1	2	1	4	16	12	0	0	6	6
Dickinson.....	2	9	4	9	80	52	0	2	27	23
Doniphan.....	1	2	3	1	26	20	0	0	14	6
Douglas.....	4	29	13	32	187	132	1	6	67	58
Edwards.....	0	2	0	1	13	11	0	0	7	4
Elk.....	0	1	2	0	18	16	0	1	13	2
Ellis.....	1	14	8	11	71	44	0	1	24	19
Ellsworth.....	2	1	11	0	30	21	0	0	14	7
Finney.....	2	18	3	9	49	36	0	0	24	12
Ford.....	3	6	11	5	77	65	2	1	43	19
Franklin.....	5	10	7	6	77	55	2	1	34	18
Geary.....	3	10	9	7	49	39	1	4	20	14
Gove.....	1	1	0	1	10	7	0	0	3	4
Graham.....	1	1	0	0	16	10	0	0	9	1
Grant.....	0	1	1	1	21	17	0	1	10	6
Gray.....	0	1	1	4	18	13	0	0	7	6
Greeley.....	0	1	1	0	0	0	0	0	0	0
Greenwood.....	1	9	0	3	32	31	1	0	19	11
Hamilton.....	1	2	0	0	7	4	0	0	4	0
Harper.....	1	4	7	2	41	27	0	1	13	13
Harvey.....	8	15	13	30	122	89	0	2	53	34
Haskell.....	0	1	0	1	10	8	0	2	5	1
Hodgeman.....	1	1	0	0	6	4	0	0	4	0
Jackson.....	1	6	2	2	32	24	0	0	15	9
Jefferson.....	3	14	3	10	51	40	0	0	30	10
Jewell.....	0	1	1	2	6	5	0	0	2	3
Johnson.....	35	177	66	104	1,110	595	8	15	352	220
Kearny.....	0	0	4	1	10	8	0	0	5	3
Kingman.....	0	5	5	4	18	13	0	0	10	3
Kiowa.....	0	1	1	0	8	5	0	0	4	1
Labette.....	2	7	5	5	71	60	0	0	28	32
Lane.....	0	1	0	0	10	7	0	0	4	3
Leavenworth.....	4	23	24	16	179	147	0	3	116	28
Lincoln.....	0	1	0	0	17	14	0	0	10	4
Linn.....	0	9	0	2	34	29	0	0	21	8
Logan.....	0	2	2	1	9	8	0	0	3	5

**Table 73**  
**Selected Causes of Death by County of Residence**  
**Kansas, 2010**

County of Residence	Selected Causes of Death (ICD-10)									
	Leukemia (C91-C95)	Other Malignant Neoplasms (C00-C14, C40-C49, C69-C90, C96-C97)	Diabetes mellitus (E10-E14)	Alzheimer's Disease (G30)	Major Cardio- vascular Diseases (I00-I78)	Diseases of Heart (I00-I09, I11, I13, I20-I51)	Rheumatic Fever and Rheumatic Heart Diseases (I00-I09)	Hyperten- sive Heart Disease w, w/out Renal Disease (I11, I13)	Ischemic Heart Diseases (I20-I25)	Other Heart Diseases (I26-I51)
Lyon.....	3	7	9	7	88	63	0	1	23	39
McPherson.....	2	15	6	20	111	80	0	0	52	28
Marion.....	2	6	7	6	42	33	1	0	15	17
Marshall.....	0	3	2	6	51	39	0	1	22	16
Meade.....	1	2	1	0	17	13	1	0	6	6
Miami.....	1	16	5	15	83	64	0	0	39	25
Mitchell.....	2	4	1	6	30	23	0	0	16	7
Montgomery.....	4	11	13	21	146	118	1	1	76	40
Morris.....	0	1	0	1	24	20	0	0	15	5
Morton.....	0	4	1	1	9	7	1	0	4	2
Nemaha.....	5	5	4	5	46	33	0	0	16	17
Neosho.....	3	10	3	8	51	38	0	0	22	16
Ness.....	0	0	2	0	11	7	0	0	6	1
Norton.....	0	5	0	0	28	22	0	0	7	15
Osage.....	1	7	3	3	57	34	1	0	20	13
Osborne.....	0	3	3	1	19	16	0	1	12	3
Ottawa.....	0	1	0	1	28	17	0	1	8	8
Pawnee.....	1	5	2	5	24	21	0	0	17	4
Phillips.....	0	4	3	4	23	15	0	4	6	5
Pottawatomie.....	2	5	7	3	50	40	0	1	25	14
Pratt.....	2	5	3	3	41	31	0	2	18	11
Rawlins.....	0	4	0	0	8	6	0	0	4	2
Reno.....	3	32	15	24	186	144	2	3	88	51
Republic.....	0	4	2	3	17	13	0	1	7	5
Rice.....	1	5	2	3	38	29	0	0	20	9
Riley.....	1	12	6	12	95	59	0	1	31	27
Rooks.....	3	6	1	2	16	11	0	1	7	3
Rush.....	1	6	0	0	15	10	1	0	6	3
Russell.....	1	6	5	3	33	26	0	0	15	11
Saline.....	10	32	13	22	152	104	0	8	55	41
Scott.....	0	2	3	6	14	10	0	0	6	4
Sedgwick.....	36	167	97	86	1,138	864	5	20	477	362
Seward.....	1	8	8	2	33	25	0	0	15	10
Shawnee.....	19	76	38	58	490	346	0	12	190	144
Sheridan.....	0	3	1	0	11	11	0	0	4	7
Sherman.....	3	4	1	3	11	7	0	0	6	1
Smith.....	2	4	2	2	17	14	0	2	8	4
Stafford.....	0	0	2	1	27	18	0	0	12	6
Stanton.....	0	1	0	1	5	5	0	0	2	3
Stevens.....	0	1	2	0	14	11	0	0	5	6
Sumner.....	4	11	9	3	64	45	0	2	26	17
Thomas.....	1	9	3	2	23	20	0	0	11	9
Trego.....	0	2	1	1	23	15	0	1	7	7
Wabaunsee.....	1	3	4	1	25	21	0	1	15	5
Wallace.....	0	1	0	0	7	6	0	0	2	4
Washington.....	2	5	1	3	26	20	0	1	13	6
Wichita.....	0	2	0	1	7	4	0	0	3	1
Wilson.....	1	6	6	3	56	49	0	0	36	13
Woodson.....	0	1	2	1	18	14	0	0	5	9
Wyandotte.....	11	60	38	34	352	262	4	6	146	106
N.S.	1	0	0	0	2	2	0	0	2	0

**Table 73**  
**Selected Causes of Death by County of Residence**  
**Kansas, 2010**

County of Residence	Selected Causes of Death (ICD-10)								
	Primary Hypertension/ Hypertensive Renal Disease & Secondary Hypertension (I10, I12, I15)	Cerebro-vascular Diseases (I60-I69)	Athero-sclerosis (I70)	Other Diseases of Arteries, Arterioles and Capillaries (I71-I78)	Pneumonia and Influenza (J09-J18)	Chronic Lower Respiratory Diseases (J40-J47)	Peptic Ulcer (K25-K28)	Chronic Liver Disease and Cirrhosis (K70, K73-K74)	Nephritis, Nephrotic Syndr. and Nephrosis (N00-N07, N17-N19, N25-N27)
Kansas.....	161	1,367	390	182	552	1,581	31	245	581
Allen.....	1	9	5	1	5	11	0	1	8
Anderson.....	0	6	0	0	3	10	0	0	3
Atchison.....	1	13	0	0	5	16	1	2	4
Barber.....	0	2	0	1	2	5	0	0	1
Barton.....	3	10	2	3	9	18	0	2	7
Bourbon.....	0	13	1	2	3	5	0	0	6
Brown.....	0	7	0	2	2	6	1	0	0
Butler.....	1	37	3	4	20	55	0	3	12
Chase.....	0	4	0	0	2	3	1	0	1
Chautauqua.....	0	2	0	0	2	3	0	1	3
Cherokee.....	1	18	0	3	5	16	0	3	3
Cheyenne.....	0	1	0	0	1	1	0	0	1
Clark.....	0	2	0	0	3	2	0	0	1
Clay.....	0	7	1	1	2	3	0	2	1
Cloud.....	1	9	0	1	3	9	2	0	7
Coffey.....	0	3	0	0	3	11	0	0	3
Comanche.....	0	1	0	0	1	3	0	0	0
Cowley.....	7	22	2	1	10	23	0	3	15
Crawford.....	2	19	1	4	18	28	0	8	10
Decatur.....	0	3	0	1	0	3	0	0	0
Dickinson.....	2	22	2	2	10	11	0	0	5
Doniphan.....	0	3	0	3	2	7	0	0	2
Douglas.....	6	37	6	6	11	33	2	10	11
Edwards.....	0	2	0	0	0	1	0	0	2
Elk.....	0	2	0	0	0	3	0	0	1
Ellis.....	2	20	1	4	6	7	0	3	7
Ellsworth.....	2	6	0	1	1	9	0	1	4
Finney.....	1	12	0	0	7	10	0	2	6
Ford.....	2	10	0	0	12	22	0	2	10
Franklin.....	4	16	1	1	3	22	1	4	4
Geary.....	1	7	0	2	2	13	0	4	1
Gove.....	0	3	0	0	0	0	0	0	1
Graham.....	0	6	0	0	0	5	0	0	2
Grant.....	0	4	0	0	2	4	0	0	0
Gray.....	1	4	0	0	0	4	0	0	2
Greeley.....	0	0	0	0	1	1	0	0	0
Greenwood.....	1	0	0	0	2	7	0	2	1
Hamilton.....	0	2	1	0	0	3	0	1	0
Harper.....	3	10	0	1	3	8	0	2	0
Harvey.....	5	22	2	4	9	26	0	2	12
Haskell.....	0	2	0	0	1	1	0	0	0
Hodgeman.....	0	1	1	0	2	2	0	1	0
Jackson.....	0	6	1	1	3	12	0	1	4
Jefferson.....	1	7	0	3	4	11	1	2	3
Jewell.....	0	1	0	0	0	4	0	1	1
Johnson.....	21	192	282	20	55	177	3	34	62
Kearny.....	0	2	0	0	2	3	0	0	1
Kingman.....	2	2	0	1	4	5	0	1	2
Kiowa.....	0	3	0	0	0	2	0	0	0
Labette.....	1	9	1	0	6	24	1	0	7
Lane.....	0	3	0	0	0	1	0	0	0
Leavenworth.....	2	23	5	2	6	36	1	8	12
Lincoln.....	0	1	1	1	1	2	0	0	2
Linn.....	0	4	0	1	3	6	1	2	2
Logan.....	0	1	0	0	1	2	0	0	0

**Table 73**  
**Selected Causes of Death by County of Residence**  
**Kansas, 2010**

County of Residence	Selected Causes of Death (ICD-10)								
	Primary Hypertension/ Hypertensive Renal Disease & Secondary Hypertension (I10, I12, I15)	Cerebro-vascular Diseases (I60-I69)	Athero-sclerosis (I70)	Other Diseases of Arteries, Arterioles and Capillaries (I71-I78)	Pneumonia and Influenza (J09-J18)	Chronic Lower Respiratory Diseases (J40-J47)	Peptic Ulcer (K25-K28)	Chronic Liver Disease and Cirrhosis (K70, K73-K74)	Nephritis, Nephrotic Syndr. and Nephrosis (N00-N07, N17-N19, N25-N27)
Lyon.....	4	17	0	4	5	14	0	3	9
McPherson.....	4	23	1	3	11	21	0	2	3
Marion.....	0	6	2	1	3	3	0	1	2
Marshall.....	4	7	0	1	3	10	0	3	4
Meade.....	0	3	0	1	1	7	1	0	0
Miami.....	4	10	5	0	9	26	0	6	11
Mitchell.....	0	7	0	0	2	9	0	2	1
Montgomery.....	1	21	5	1	14	33	1	6	9
Morris.....	0	3	0	1	1	4	0	0	2
Morton.....	1	1	0	0	1	2	0	0	0
Nemaha.....	2	11	0	0	6	10	0	0	1
Neosho.....	1	11	0	1	4	9	3	2	10
Ness.....	1	3	0	0	1	2	0	0	3
Norton.....	1	2	0	3	0	3	0	1	3
Osage.....	1	20	0	2	4	13	0	3	0
Osborne.....	0	3	0	0	0	3	0	0	0
Ottawa.....	3	7	0	1	6	2	0	0	2
Pawnee.....	0	3	0	0	5	2	0	0	3
Phillips.....	0	7	1	0	1	4	0	1	2
Pottawatomie.....	1	8	0	1	4	10	0	3	2
Pratt.....	0	8	0	2	6	9	0	2	3
Rawlins.....	1	0	0	1	1	7	0	0	0
Reno.....	6	32	2	2	16	55	1	10	22
Republic.....	1	2	0	1	2	5	0	1	2
Rice.....	1	6	0	2	1	8	1	0	0
Riley.....	5	26	1	4	6	22	2	6	7
Rooks.....	0	4	0	1	2	6	0	0	1
Rush.....	0	3	1	1	0	2	0	0	2
Russell.....	1	4	0	2	2	4	0	1	3
Saline.....	3	37	1	7	12	36	0	5	9
Scott.....	0	3	0	1	0	3	0	1	0
Sedgwick.....	12	212	20	30	98	280	4	32	105
Seward.....	2	5	0	1	3	9	1	0	2
Shawnee.....	12	116	2	14	33	99	0	21	36
Sheridan.....	0	0	0	0	1	3	0	0	0
Sherman.....	0	2	1	1	0	5	1	1	4
Smith.....	0	3	0	0	4	4	0	0	1
Stafford.....	0	8	0	1	0	5	0	0	2
Stanton.....	0	0	0	0	0	1	0	0	0
Stevens.....	0	3	0	0	4	5	0	0	0
Sumner.....	1	14	3	1	5	14	0	1	11
Thomas.....	1	2	0	0	2	4	0	0	4
Trego.....	3	3	0	2	1	0	0	1	0
Wabaunsee.....	1	3	0	0	0	4	0	1	6
Wallace.....	0	0	0	1	0	2	0	0	1
Washington.....	0	6	0	0	1	4	0	1	1
Wichita.....	0	2	0	1	0	2	0	0	1
Wilson.....	1	5	0	1	0	5	0	0	2
Woodson.....	0	4	0	0	0	1	0	0	1
Wyandotte.....	8	48	26	8	13	75	1	20	35
N.S.	0	0	0	0	0	0	0	0	0

Table 73  
Selected Causes of Death by County of Residence  
Kansas, 2010

County of Residence	Selected Causes of Death (ICD-10)								
	Pregnancy, Childbirth and the Puerperium (O00-O99)	Congenital Anomalies (Q00-Q99)	Cert. Cond. Originating in the Perinatal Period (P00-P96)	Symptoms, Signs and Abnormal Findings (R00-R99)	Motor Vehicle Accidents *	All Other Accidents and Adverse Effects †	Suicide (U03, X60-X84, Y87.0)	Homicide (U01-U03, X85-Y09, Y87.1)	All Other Causes
Kansas.....	10	109	112	509	470	876	409	108	3,939
Allen.....	0	1	0	5	7	5	2	0	29
Anderson.....	0	0	0	2	5	1	0	0	13
Atchison.....	0	0	0	1	2	5	2	1	29
Barber.....	0	0	0	1	1	1	0	0	5
Barton.....	0	1	1	2	4	12	7	3	44
Bourbon.....	0	1	0	12	3	3	3	0	31
Brown.....	0	1	0	2	0	1	4	0	16
Butler.....	1	5	2	15	14	24	12	1	94
Chase.....	0	0	0	1	3	0	1	0	4
Chautauqua.....	0	0	0	1	1	3	0	0	5
Cherokee.....	0	0	1	4	2	8	5	0	38
Cheyenne.....	0	0	0	1	0	3	0	0	9
Clark.....	0	0	0	1	0	0	0	0	2
Clay.....	0	0	0	3	2	7	1	0	23
Cloud.....	0	0	0	3	4	6	2	0	22
Coffey.....	0	0	1	2	7	7	1	0	11
Comanche.....	0	0	0	0	2	1	0	0	5
Cowley.....	0	2	4	5	8	17	3	0	58
Crawford.....	0	2	1	2	5	25	5	3	50
Decatur.....	0	0	0	1	2	2	0	0	4
Dickinson.....	0	0	0	4	4	9	1	2	43
Doniphan.....	0	1	0	2	4	2	0	0	10
Douglas.....	0	5	2	4	5	28	21	1	119
Edwards.....	0	0	0	0	2	1	0	0	6
Elk.....	0	1	0	0	0	3	0	0	3
Ellis.....	1	0	0	1	4	4	5	0	44
Ellsworth.....	0	0	0	2	2	3	1	0	13
Finney.....	0	1	2	9	5	10	3	0	29
Ford.....	0	3	2	10	16	4	3	1	29
Franklin.....	0	0	1	3	5	8	3	1	38
Geary.....	1	3	3	10	7	13	6	3	26
Gove.....	0	0	0	0	0	2	0	0	8
Graham.....	0	0	0	0	0	2	0	0	6
Grant.....	0	1	0	1	3	0	2	0	7
Gray.....	0	0	0	1	3	3	0	0	8
Greeley.....	0	0	0	0	0	0	1	0	4
Greenwood.....	0	1	0	0	0	5	4	0	14
Hamilton.....	0	0	0	0	0	4	1	1	5
Harper.....	0	0	0	1	3	1	0	0	17
Harvey.....	0	1	3	10	5	14	8	1	64
Haskell.....	0	1	1	0	4	4	0	0	2
Hodgeman.....	0	0	0	0	0	0	0	0	2
Jackson.....	0	0	1	1	6	2	1	1	17
Jefferson.....	0	2	1	0	8	3	2	0	32
Jewell.....	0	0	0	1	2	1	1	0	5
Johnson.....	0	15	14	42	40	84	80	6	571
Kearny.....	0	0	0	0	2	0	0	0	9
Kingman.....	0	0	0	3	4	4	1	0	12
Kiowa.....	0	0	0	0	0	0	0	0	3
Labette.....	0	3	3	8	2	10	1	1	38
Lane.....	0	0	0	0	0	0	1	0	2
Leavenworth.....	2	1	2	12	12	17	18	2	73
Lincoln.....	0	0	0	0	1	0	1	0	6
Linn.....	0	0	0	4	1	4	0	0	15
Logan.....	0	1	0	1	0	0	1	1	3

**Table 73**  
**Selected Causes of Death by County of Residence**  
**Kansas, 2010**

County of Residence	Selected Causes of Death (ICD-10)								
	Pregnancy, Childbirth and the Puerperium (O00-O99)	Congenital Anomalies (Q00-Q99)	Cert. Cond. Originating in the Perinatal Period (P00-P96)	Symptoms, Signs and Abnormal Findings (R00-R99)	Motor Vehicle Accidents *	All Other Accidents and Adverse Effects <sup>T</sup>	Suicide (U03, X60-X84, Y87.0)	Homicide (U01-U03, X85-Y09, Y87.1)	All Other Causes
Lyon.....	0	1	0	5	8	9	5	0	49
McPherson.....	0	0	2	7	5	14	2	0	61
Marion.....	0	0	2	12	3	3	1	0	16
Marshall.....	0	1	0	1	0	5	1	0	5
Meade.....	0	0	0	1	1	2	0	0	8
Miami.....	0	0	1	5	3	7	8	2	39
Mitchell.....	0	0	1	1	2	2	0	0	20
Montgomery.....	0	0	0	13	5	10	7	0	71
Morris.....	0	0	0	4	1	1	0	0	18
Morton.....	0	0	0	2	0	0	0	0	10
Nemaha.....	0	0	0	2	5	5	3	0	17
Neosho.....	0	3	1	2	6	8	1	1	41
Ness.....	0	0	0	0	1	3	0	0	6
Norton.....	0	0	0	2	0	1	2	0	11
Osage.....	0	0	0	2	4	8	4	0	25
Osborne.....	0	0	0	2	0	1	0	0	7
Ottawa.....	0	0	1	2	0	1	1	0	15
Pawnee.....	0	0	0	3	2	3	1	0	8
Phillips.....	0	0	0	0	2	1	1	0	11
Pottawatomie.....	0	2	0	3	4	5	2	0	14
Pratt.....	0	0	1	3	3	2	1	0	17
Rawlins.....	0	1	0	3	0	0	1	0	5
Reno.....	0	3	2	12	13	38	10	2	111
Republic.....	0	0	0	7	0	2	2	0	15
Rice.....	0	0	0	1	1	3	2	0	28
Riley.....	0	2	0	10	4	9	7	1	59
Rooks.....	0	0	0	1	3	2	0	0	7
Rush.....	0	0	0	0	2	2	1	0	9
Russell.....	0	1	2	1	2	4	1	0	16
Saline.....	0	0	3	11	3	20	6	6	85
Scott.....	0	0	0	0	0	4	1	0	12
Sedgwick.....	3	27	23	82	81	177	61	20	650
Seward.....	0	2	0	1	9	4	3	1	18
Shawnee.....	0	4	11	19	18	63	29	18	304
Sheridan.....	0	1	0	2	0	1	0	0	9
Sherman.....	0	0	0	7	1	4	1	0	9
Smith.....	0	0	0	0	5	1	0	0	13
Stafford.....	0	0	0	4	2	1	0	1	13
Stanton.....	0	0	0	0	0	1	0	0	4
Stevens.....	0	0	0	0	5	1	1	0	11
Sumner.....	0	3	0	3	5	14	2	0	71
Thomas.....	0	0	0	5	2	6	0	0	10
Trego.....	0	0	0	0	1	1	0	0	7
Wabaunsee.....	0	0	0	0	1	2	0	0	8
Wallace.....	0	0	0	2	0	2	0	0	5
Washington.....	0	0	0	1	2	2	1	0	11
Wichita.....	0	0	0	0	0	0	0	1	2
Wilson.....	0	1	1	0	2	5	4	1	19
Woodson.....	0	0	1	2	6	2	0	0	4
Wyandotte.....	2	4	15	69	25	38	21	23	180
N.S.	0	0	0	0	0	0	1	2	0

\* Motor-Vehicle ICD-10 Codes: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

<sup>T</sup> All Other Accidents: V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-X59, Y40-Y86, Y88

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# MARRIAGES & MARRIAGE DISSOLUTIONS

Table 74  
Marriages by Number and Rate\*  
By County of Marriage and by Peer Group<sup>†</sup>  
Kansas, 2006-2010

**ERRATA see Page 198**

County of Marriage	Year										5-Year Rate	
	2006		2007		2008		2009		2010			
	Number	Rate										
Kansas.....	18,836	6.8	18,910	6.8	18,717	6.7	18,268	6.5	18,150	6.4	6.6	
Allen.....	81	5.9	76	5.7	62	4.7	56	4.2	68	5.1	5.1	
Anderson.....	52	6.5	32	4.0	50	6.3	41	5.2	33	4.1	5.2	
Atchison.....	150	9.0	124	7.5	121	7.3	100	6.1	100	5.9	7.2	
Barber.....	39	7.8	38	7.9	53	11.3	39	8.5	39	8.0	8.7	
Barton.....	216	7.9	216	7.8	191	6.9	212	7.7	216	7.8	7.6	
Bourbon.....	100	6.7	105	7.1	137	9.2	128	8.6	88	5.8	7.5	
Brown.....	74	7.2	59	5.9	67	6.7	67	6.7	81	8.1	6.9	
Butler.....	368	5.8	401	6.4	364	5.7	401	6.3	397	6.0	6.0	
Chase.....	27	8.8	19	6.6	27	9.6	22	7.9	24	8.6	8.3	
Chautauqua.....	23	5.8	24	6.3	21	5.6	25	6.7	28	7.6	6.4	
Cherokee.....	120	5.6	127	6.0	114	5.4	98	4.7	114	5.3	5.4	
Cheyenne.....	10	3.4	18	6.4	21	7.7	11	4.1	9	3.3	5.0	
Clark.....	13	5.9	16	7.6	6	2.8	10	4.8	16	7.2	5.7	
Clay.....	62	7.2	60	6.9	65	7.3	56	6.4	67	7.9	7.1	
Cloud.....	65	6.8	64	6.8	67	7.1	55	5.9	55	5.8	6.5	
Coffey.....	81	9.3	52	6.2	57	6.8	57	6.8	51	5.9	7.0	
Comanche.....	5	2.7	10	5.3	12	6.2	15	8.0	13	6.9	5.8	
Cowley.....	253	7.2	245	7.2	237	7.0	244	7.3	219	6.0	6.9	
Crawford.....	229	6.0	226	5.8	217	5.6	198	5.1	199	5.1	5.5	
Decatur.....	21	6.7	29	9.8	20	6.9	21	7.4	17	5.7	7.3	
Dickinson.....	135	7.0	138	7.3	148	7.7	135	7.1	147	7.4	7.3	
Doniphan.....	47	6.0	47	6.1	45	5.8	63	8.3	44	5.5	6.3	
Douglas.....	711	6.3	719	6.3	710	6.2	750	6.4	773	7.0	6.5	
Edwards.....	24	7.6	11	3.5	18	5.8	16	5.2	21	6.9	5.8	
Elk.....	22	7.1	9	3.0	17	5.6	19	6.3	12	4.2	5.3	
Ellis.....	205	7.6	220	8.0	208	7.5	225	8.1	204	7.2	7.7	
Ellsworth.....	42	6.6	49	7.8	37	5.9	44	7.1	34	5.2	6.5	
Finney.....	252	6.4	241	6.3	272	6.6	256	6.1	232	6.3	6.4	
Ford.....	251	7.4	244	7.3	267	8.0	268	8.0	252	7.4	7.6	
Franklin.....	200	7.5	160	6.0	170	6.4	180	6.8	158	6.1	6.6	
Geary.....	575	23.8	570	22.7	617	19.8	646	20.3	687	20.0	21.1	
Gove.....	16	5.9	20	7.6	15	5.9	16	6.5	10	3.7	5.9	
Graham.....	13	4.9	24	9.2	28	10.8	15	6.2	20	7.7	7.7	
Grant.....	57	7.5	56	7.5	55	7.4	55	7.5	59	7.5	7.5	
Gray.....	30	5.1	30	5.3	35	6.2	28	4.7	33	5.5	5.3	
Greeley.....	5	3.8	4	3.1	4	3.2	4	3.2	3	2.4	3.1	
Greenwood.....	44	6.2	43	6.1	35	5.1	39	5.9	38	5.7	5.8	
Hamilton.....	18	6.9	20	7.6	16	6.1	18	6.9	14	5.2	6.5	
Harper.....	33	5.5	42	7.2	47	8.0	50	8.8	36	6.0	7.1	
Harvey.....	260	7.7	226	6.7	249	7.4	238	6.9	240	6.9	7.1	
Haskell.....	22	5.3	25	6.2	24	6.1	16	4.0	30	7.0	5.7	
Hodgeman.....	10	4.8	6	3.0	9	4.6	12	6.3	14	7.3	5.2	
Jackson.....	96	7.1	64	4.8	80	6.0	84	6.3	81	6.0	6.0	
Jefferson.....	137	7.3	125	6.8	118	6.4	107	5.9	120	6.3	6.5	
Jewell.....	15	4.5	21	6.6	12	3.8	15	4.9	17	5.5	5.1	
Johnson.....	2,665	5.2	2,774	5.3	2,611	4.9	2,572	4.7	2,456	4.5	4.9	
Kearny.....	17	3.8	24	5.8	26	6.3	15	3.6	26	6.5	5.2	
Kingman.....	44	5.5	52	6.6	42	5.4	42	5.5	43	5.5	5.7	
Kiowa.....	16	5.4	13	4.4	6	2.4	14	6.0	9	3.5	4.3	
Labette.....	127	5.7	119	5.4	111	5.1	118	5.4	97	4.5	5.2	
Lane.....	11	6.1	11	6.3	5	2.9	11	6.3	13	7.4	5.8	
Leavenworth.....	456	6.2	451	6.1	436	5.9	440	5.8	399	5.2	5.9	
Lincoln.....	23	6.8	22	6.7	11	3.4	20	6.4	15	4.6	5.6	
Linn.....	56	5.6	43	4.4	49	5.1	36	3.9	46	4.8	4.8	
Logan.....	17	6.4	16	6.1	23	8.9	24	9.4	26	9.4	8.0	

Table 74  
Marriages by Number and Rate\*  
By County of Marriage and by Peer Group<sup>†</sup>  
Kansas, 2006-2010

**ERRATA see Page 198**

County of Marriage	Year										5-Year Rate	
	2006		2007		2008		2009		2010			
	Number	Rate										
Lyon.....	261	7.4	238	6.6	238	6.7	204	6.1	237	7.0	6.8	
McPherson.....	227	7.7	227	7.8	202	7.0	210	7.3	171	5.9	7.1	
Marion.....	64	5.0	77	6.3	69	5.7	63	5.3	66	5.2	5.5	
Marshall.....	76	7.3	90	8.8	57	5.6	62	6.1	77	7.6	7.1	
Meade.....	24	5.3	34	7.7	38	8.7	28	6.4	26	5.7	6.7	
Miami.....	186	6.0	228	7.3	239	7.7	227	7.3	235	7.2	7.1	
Mitchell.....	46	7.3	62	9.8	44	7.0	47	7.4	49	7.7	7.8	
Montgomery.....	249	7.2	251	7.3	240	7.0	278	8.1	219	6.2	7.1	
Morris.....	37	6.1	44	7.4	33	5.5	41	6.8	30	5.1	6.2	
Morton.....	22	7.0	26	8.6	16	5.4	28	9.2	25	7.7	7.6	
Nemaha.....	73	7.0	79	7.7	77	7.6	74	7.4	77	7.6	7.5	
Neosho.....	107	6.6	121	7.5	115	7.1	95	5.9	111	6.7	6.8	
Ness.....	16	5.4	17	5.7	15	5.1	21	7.4	11	3.5	5.4	
Norton.....	30	5.4	37	6.8	31	5.8	18	3.4	33	5.8	5.4	
Osage.....	86	5.1	80	4.9	80	4.9	67	4.2	85	5.2	4.8	
Osborne.....	27	6.8	20	5.2	26	6.8	28	7.3	20	5.2	6.3	
Ottawa.....	40	6.5	31	5.2	30	5.0	32	5.4	38	6.2	5.7	
Pawnee.....	38	5.8	41	6.4	29	4.6	54	8.7	45	6.5	6.4	
Phillips.....	32	5.9	42	7.8	36	6.7	33	6.3	35	6.2	6.6	
Pottawatomie.....	110	5.7	126	6.5	112	5.7	85	4.3	101	4.7	5.3	
Pratt.....	82	8.7	77	8.2	75	8.0	70	7.5	77	8.0	8.1	
Rawlins.....	12	4.5	15	5.9	13	5.2	12	4.9	13	5.2	5.1	
Reno.....	504	7.9	480	7.6	477	7.5	421	6.6	434	6.7	7.3	
Republic.....	39	7.7	32	6.5	46	9.6	22	4.6	24	4.8	6.6	
Rice.....	41	4.0	53	5.3	56	5.6	52	5.2	35	3.5	4.7	
Riley.....	588	9.4	547	7.9	620	8.7	680	9.5	664	9.3	9.0	
Rooks.....	37	7.0	34	6.6	34	6.6	27	5.4	28	5.4	6.2	
Rush.....	19	5.7	17	5.3	17	5.3	12	3.8	13	3.9	4.8	
Russell.....	38	5.6	50	7.4	59	8.9	44	6.7	35	5.0	6.7	
Saline.....	435	8.0	485	8.9	420	7.7	375	6.9	398	7.2	7.7	
Scott.....	39	8.4	36	7.9	42	9.2	27	5.9	42	8.5	8.0	
Sedgwick.....	3,498	7.4	3,558	7.5	3,644	7.5	3,488	7.1	3,393	6.8	7.3	
Seward.....	176	7.5	196	8.5	198	8.6	167	7.3	182	7.9	8.0	
Shawnee.....	1,231	7.1	1,179	6.8	1,156	6.6	1,132	6.4	1,178	6.6	6.7	
Sheridan.....	13	5.0	15	6.0	17	6.8	14	5.7	12	4.7	5.6	
Sherman.....	39	6.5	50	8.4	37	6.2	47	8.0	44	7.3	7.3	
Smith.....	28	7.0	27	6.8	21	5.4	18	4.8	31	8.0	6.4	
Stafford.....	12	2.7	35	8.0	23	5.3	28	6.4	25	5.6	5.6	
Stanton.....	24	10.8	10	4.6	13	6.1	14	6.6	16	7.2	7.1	
Stevens.....	33	6.2	40	7.9	26	5.1	33	6.4	43	7.5	6.7	
Sumner.....	188	7.7	187	7.8	182	7.7	187	8.0	192	8.0	7.8	
Thomas.....	55	7.4	55	7.5	58	8.0	39	5.3	49	6.2	6.9	
Trego.....	19	6.3	24	8.2	19	6.6	23	7.9	13	4.3	6.7	
Wabaunsee.....	37	5.4	42	6.1	36	5.2	43	6.3	47	6.7	5.9	
Wallace.....	8	5.1	13	8.9	7	5.0	10	7.1	11	7.4	6.7	
Washington.....	34	5.7	42	7.2	43	7.4	32	5.6	40	6.9	6.6	
Wichita.....	17	7.4	2	0.9	20	9.3	17	8.1	8	3.6	5.8	
Wilson.....	64	6.5	66	6.7	57	5.9	68	7.2	59	6.3	6.5	
Woodson.....	26	7.4	13	3.9	23	7.0	17	5.2	23	7.0	6.1	
Wyandotte.....	1,108	7.1	1,079	7.0	1,086	7.0	1,007	6.5	1,087	6.9	6.9	
Peer Group												
Frontier .....	551	6.1	551	6.3	551	6.4	542	6.4	680	6.0	6.2	
Rural .....	1,793	6.5	1,823	6.7	1,752	6.4	1,668	6.2	1,492	6.3	6.4	
Densely -Settled Rural .....	2,968	7.0	2,964	7.0	2,920	6.9	2,821	6.6	3,061	6.4	6.8	
Semi-Urban .....	4,311	8.0	4,263	7.8	4,287	7.7	4,288	7.7	3,631	7.9	7.8	
Urban .....	9,213	6.5	9,309	6.4	9,207	6.3	8,949	6.0	9,286	5.9	6.2	

\* Rate per 1,000 population

<sup>†</sup> See Technical Notes for Peer Group definition.

Table 75  
 Marriage Dissolutions by Number and Rate\*  
 By County of Action and by Peer Group†  
 Kansas, 2006-2010

ERRATA see Page 198

County of Action	Year										5-Year Rate	
	2006		2007		2008		2009		2010			
	Number	Rate										
Kansas.....	9,145	3.3	9,347	3.4	9,818	3.5	10,333	3.7	10,579	3.7	3.5	
Allen.....	25	1.8	30	2.2	32	2.4	43	3.3	32	2.4	2.4	
Anderson.....	43	5.3	32	4.0	36	4.5	28	3.6	41	5.1	4.5	
Atchison.....	63	3.8	37	2.2	51	3.1	59	3.6	42	2.5	3.0	
Barber.....	17	3.4	16	3.3	9	1.9	17	3.7	20	4.1	3.3	
Barton.....	54	2.0	106	3.8	102	3.7	91	3.3	84	3.0	3.2	
Bourbon.....	68	4.5	80	5.4	76	5.1	84	5.6	66	4.3	5.0	
Brown.....	31	3.0	23	2.3	35	3.5	25	2.5	16	1.6	2.6	
Butler.....	178	2.8	167	2.6	192	3.0	169	2.6	155	2.4	2.7	
Chase.....	9	2.9	4	1.4	6	2.1	8	2.9	5	1.8	2.2	
Chautauqua.....	15	3.8	12	3.2	12	3.2	11	2.9	17	4.6	3.5	
Cherokee.....	74	3.4	65	3.0	82	3.9	70	3.3	83	3.8	3.5	
Cheyenne.....	9	3.1	5	1.8	8	2.9	14	5.2	12	4.4	3.5	
Clark.....	5	2.3	7	3.3	6	2.8	3	1.4	3	1.4	2.2	
Clay.....	26	3.0	22	2.5	27	3.0	17	2.0	18	2.1	2.5	
Cloud.....	40	4.2	31	3.3	27	2.9	38	4.1	23	2.4	3.4	
Coffey.....	140	16.1	148	17.5	152	18.1	104	12.3	124	14.4	15.7	
Comanche.....	6	3.2	7	3.7	6	3.1	17	9.1	3	1.6	4.1	
Cowley.....	124	3.5	139	4.1	152	4.5	131	3.9	150	4.1	4.0	
Crawford.....	144	3.8	175	4.5	168	4.3	145	3.7	154	3.9	4.1	
Decatur.....	5	1.6	9	3.0	7	2.4	12	4.2	12	4.1	3.0	
Dickinson.....	97	5.0	92	4.9	104	5.4	84	4.4	96	4.9	4.9	
Doniphan.....	28	3.6	27	3.5	14	1.8	28	3.7	31	3.9	3.3	
Douglas.....	248	2.2	232	2.0	290	2.5	282	2.4	291	2.6	2.4	
Edwards.....	10	3.2	13	4.2	18	5.8	9	2.9	11	3.6	4.0	
Elk.....	10	3.2	8	2.6	14	4.6	5	1.7	6	2.1	2.9	
Ellis.....	77	2.9	71	2.6	94	3.4	94	3.4	89	3.1	3.1	
Ellsworth.....	37	5.8	34	5.4	51	8.2	38	6.1	47	7.2	6.6	
Finney.....	82	2.1	88	2.3	116	2.8	122	2.9	108	2.9	2.6	
Ford.....	134	4.0	117	3.5	110	3.3	109	3.2	131	3.9	3.6	
Franklin.....	126	4.8	137	5.2	163	6.1	160	6.1	143	5.5	5.5	
Geary.....	202	8.4	290	11.5	400	12.8	365	11.5	384	11.2	11.2	
Gove.....	5	1.8	9	3.4	6	2.4	5	2.0	7	2.6	2.4	
Graham.....	9	3.4	9	3.5	11	4.2	8	3.3	12	4.6	3.8	
Grant.....	20	2.6	28	3.7	12	1.6	18	2.4	17	2.2	2.5	
Gray.....	23	3.9	19	3.4	18	3.2	23	3.8	19	3.2	3.5	
Greeley.....	0	0.0	3	2.3	7	5.5	0	0.0	2	1.6	1.9	
Greenwood.....	19	2.7	25	3.6	32	4.7	26	3.9	24	3.6	3.7	
Hamilton.....	8	3.1	8	3.0	8	3.0	2	0.8	4	1.5	2.3	
Harper.....	23	3.9	23	4.0	23	3.9	14	2.5	17	2.8	3.4	
Harvey.....	87	2.6	105	3.1	91	2.7	100	2.9	93	2.7	2.8	
Haskell.....	8	1.9	6	1.5	3	0.8	7	1.7	10	2.3	1.7	
Hodgeman.....	2	1.0	6	3.0	9	4.6	4	2.1	12	6.3	3.4	
Jackson.....	26	1.9	17	1.3	30	2.3	41	3.1	33	2.5	2.2	
Jefferson.....	43	2.3	39	2.1	36	2.0	41	2.3	65	3.4	2.4	
Jewell.....	7	2.1	12	3.8	19	6.0	9	2.9	8	2.6	3.5	
Johnson.....	871	1.7	1,001	1.9	1,002	1.9	1,406	2.6	1,620	3.0	2.2	
Kearny.....	10	2.2	5	1.2	6	1.4	3	0.7	13	3.3	1.8	
Kingman.....	38	4.8	29	3.7	25	3.2	27	3.6	29	3.7	3.8	
Kiowa.....	16	5.4	7	2.4	4	1.6	5	2.2	7	2.7	2.9	
Labette.....	82	3.7	80	3.6	104	4.8	96	4.4	95	4.4	4.2	
Lane.....	7	3.9	9	5.2	13	7.5	9	5.2	8	4.6	5.2	
Leavenworth.....	220	3.0	286	3.9	279	3.8	298	4.0	321	4.2	3.8	
Lincoln.....	13	3.8	13	4.0	9	2.8	6	1.9	11	3.4	3.2	
Linn.....	13	1.3	26	2.7	27	2.8	29	3.1	36	3.7	2.7	
Logan.....	8	3.0	10	3.8	5	1.9	12	4.7	8	2.9	3.3	

Table 75  
 Marriage Dissolutions by Number and Rate\*  
 By County of Action and by Peer Group†  
 Kansas, 2006-2010

ERRATA see Page 198

County of Action	Year										5-Year Rate	
	2006		2007		2008		2009		2010			
	Number	Rate										
Lyon.....	64	1.8	73	2.0	82	2.3	103	3.1	76	2.3	2.3	
McPherson.....	85	2.9	84	2.9	103	3.5	86	3.0	90	3.1	3.1	
Marion.....	24	1.9	30	2.5	45	3.7	36	3.0	29	2.3	2.7	
Marshall.....	36	3.5	13	1.3	46	4.5	35	3.5	28	2.8	3.1	
Meade.....	6	1.3	4	0.9	7	1.6	10	2.3	11	2.4	1.7	
Miami.....	41	1.3	90	2.9	114	3.7	129	4.2	143	4.4	3.3	
Mitchell.....	30	4.8	12	1.9	29	4.6	24	3.8	25	3.9	3.8	
Montgomery.....	165	4.8	146	4.2	137	4.0	140	4.1	132	3.7	4.2	
Morris.....	25	4.1	16	2.7	15	2.5	17	2.8	15	2.5	2.9	
Morton.....	16	5.1	16	5.3	10	3.4	9	3.0	14	4.3	4.2	
Nemaha.....	26	2.5	25	2.5	40	4.0	24	2.4	37	3.6	3.0	
Neosho.....	54	3.3	64	3.9	61	3.8	75	4.7	67	4.1	3.9	
Ness.....	7	2.4	15	5.0	9	3.1	10	3.5	6	1.9	3.2	
Norton.....	30	5.4	29	5.3	34	6.3	30	5.6	27	4.8	5.5	
Osage.....	84	5.0	79	4.8	83	5.1	86	5.3	92	5.6	5.2	
Osborne.....	9	2.3	3	0.8	11	2.9	6	1.6	14	3.6	2.2	
Ottawa.....	5	0.8	20	3.3	9	1.5	10	1.7	14	2.3	1.9	
Pawnee.....	37	5.7	42	6.5	31	4.9	33	5.3	41	5.9	5.7	
Phillips.....	24	4.4	14	2.6	16	3.0	26	4.9	21	3.7	3.7	
Pottawatomie.....	46	2.4	30	1.5	35	1.8	57	2.9	58	2.7	2.3	
Pratt.....	46	4.9	39	4.1	43	4.6	42	4.5	31	3.2	4.3	
Rawlins.....	6	2.3	16	6.3	8	3.2	8	3.3	1	0.4	3.1	
Reno.....	303	4.8	296	4.7	327	5.2	329	5.2	331	5.1	5.0	
Republic.....	10	2.0	12	2.4	18	3.7	19	4.0	13	2.6	2.9	
Rice.....	34	3.3	29	2.9	29	2.9	34	3.4	33	3.3	3.1	
Riley.....	213	3.4	202	2.9	197	2.8	220	3.1	245	3.4	3.1	
Rooks.....	17	3.2	20	3.9	17	3.3	20	4.0	13	2.5	3.4	
Rush.....	14	4.2	9	2.8	18	5.6	8	2.5	12	3.6	3.8	
Russell.....	20	3.0	25	3.7	20	3.0	26	3.9	28	4.0	3.5	
Saline.....	237	4.4	260	4.8	204	3.7	232	4.3	254	4.6	4.3	
Scott.....	12	2.6	15	3.3	9	2.0	22	4.8	18	3.6	3.3	
Sedgwick.....	2,599	5.5	2,595	5.5	2,596	5.4	2,706	5.5	2,508	5.0	5.4	
Seward.....	82	3.5	66	2.9	82	3.6	64	2.8	84	3.7	3.3	
Shawnee.....	556	3.2	419	2.4	487	2.8	531	3.0	605	3.4	3.0	
Sheridan.....	4	1.5	4	1.6	8	3.2	7	2.9	12	4.7	2.8	
Sherman.....	26	4.3	29	4.9	20	3.3	30	5.1	42	7.0	4.9	
Smith.....	8	2.0	4	1.0	11	2.8	6	1.6	12	3.1	2.1	
Stafford.....	8	1.8	14	3.2	11	2.5	7	1.6	7	1.6	2.1	
Stanton.....	5	2.2	11	5.1	8	3.7	6	2.8	12	5.4	3.9	
Stevens.....	29	5.5	20	4.0	23	4.5	12	2.3	28	4.9	4.3	
Sumner.....	73	3.0	105	4.4	73	3.1	95	4.0	89	3.7	3.6	
Thomas.....	21	2.8	26	3.6	36	4.9	33	4.5	43	5.4	4.3	
Trego.....	12	4.0	12	4.1	13	4.5	8	2.7	9	3.0	3.7	
Wabaunsee.....	18	2.6	11	1.6	19	2.7	16	2.3	20	2.8	2.4	
Wallace.....	5	3.2	4	2.7	3	2.1	2	1.4	6	4.0	2.7	
Washington.....	19	3.2	12	2.1	13	2.2	16	2.8	10	1.7	2.4	
Wichita.....	4	1.7	3	1.4	7	3.3	4	1.9	5	2.2	2.1	
Wilson.....	43	4.3	47	4.8	53	5.5	34	3.6	32	3.4	4.3	
Woodson.....	10	2.9	14	4.2	11	3.3	8	2.5	8	2.4	3.1	
Wyandotte.....	212	1.4	224	1.5	198	1.3	271	1.7	260	1.7	1.5	
Peer Group												
Frontier .....	252	2.8	261	3.0	284	3.3	232	2.7	381	3.3	3.0	
Rural .....	1,052	3.8	989	3.6	1,097	4.0	1,000	3.7	898	3.8	3.8	
Densely -Settled Rural ..	1,375	3.2	1,399	3.3	1,510	3.6	1,515	3.6	1,661	3.5	3.4	
Semi-Urban .....	1,980	3.7	2,227	4.1	2,354	4.2	2,390	4.3	2,034	4.4	4.1	
Urban .....	4,486	3.1	4,471	3.1	4,573	3.1	5,196	3.5	5,605	3.6	3.3	

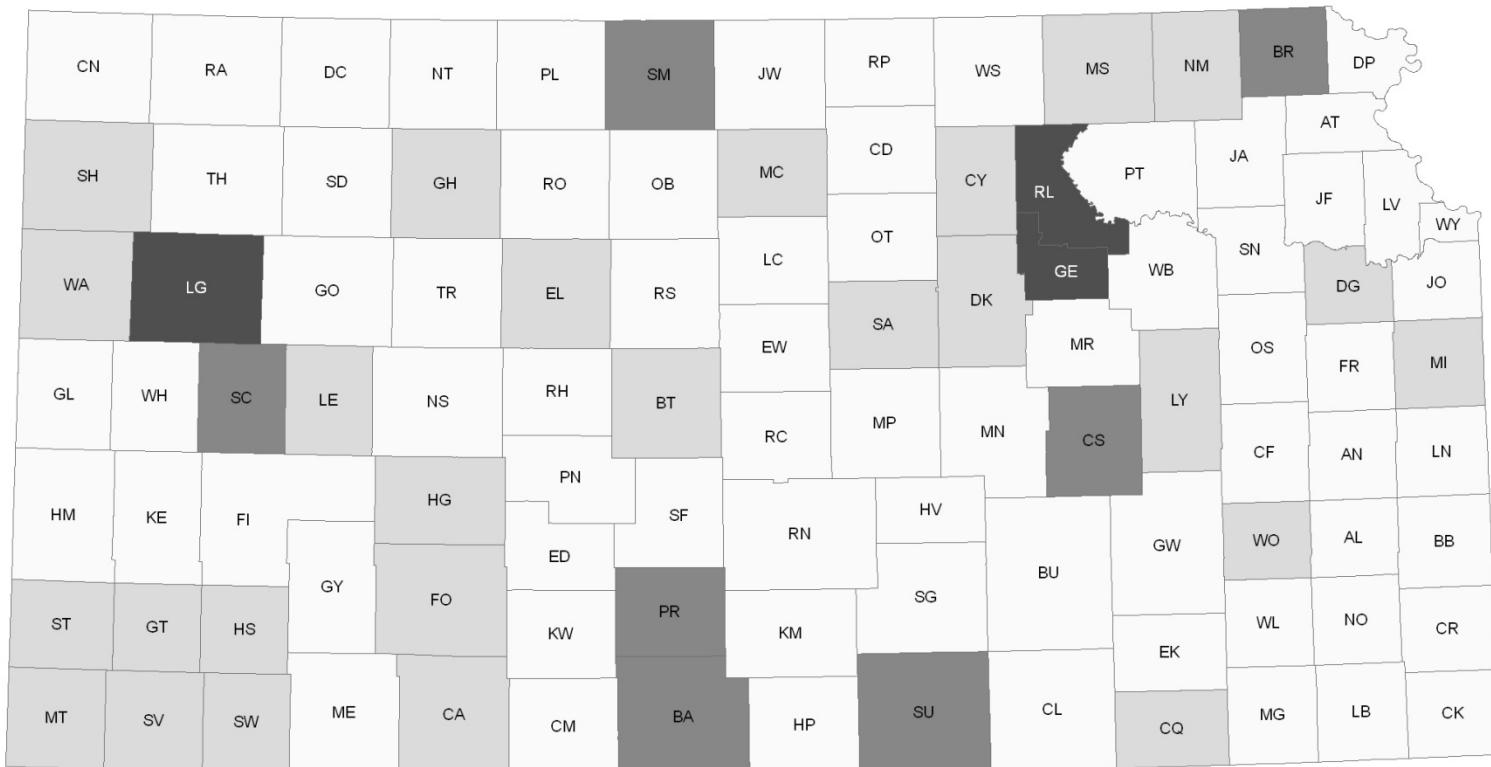
\* Rate per 1,000 population

† See Technical Notes for Peer Group definition.

# Marriage Rates By County of Residence

Kansas, 2010

156



Marriages Per 1,000 Population

Legend

State Rate: 6.4

Under 7.0    7.0 - 7.9    8.0 - 8.9    9.0 and over

Figure 34

# Divorce Rates By County of Occurrence

Kansas, 2010

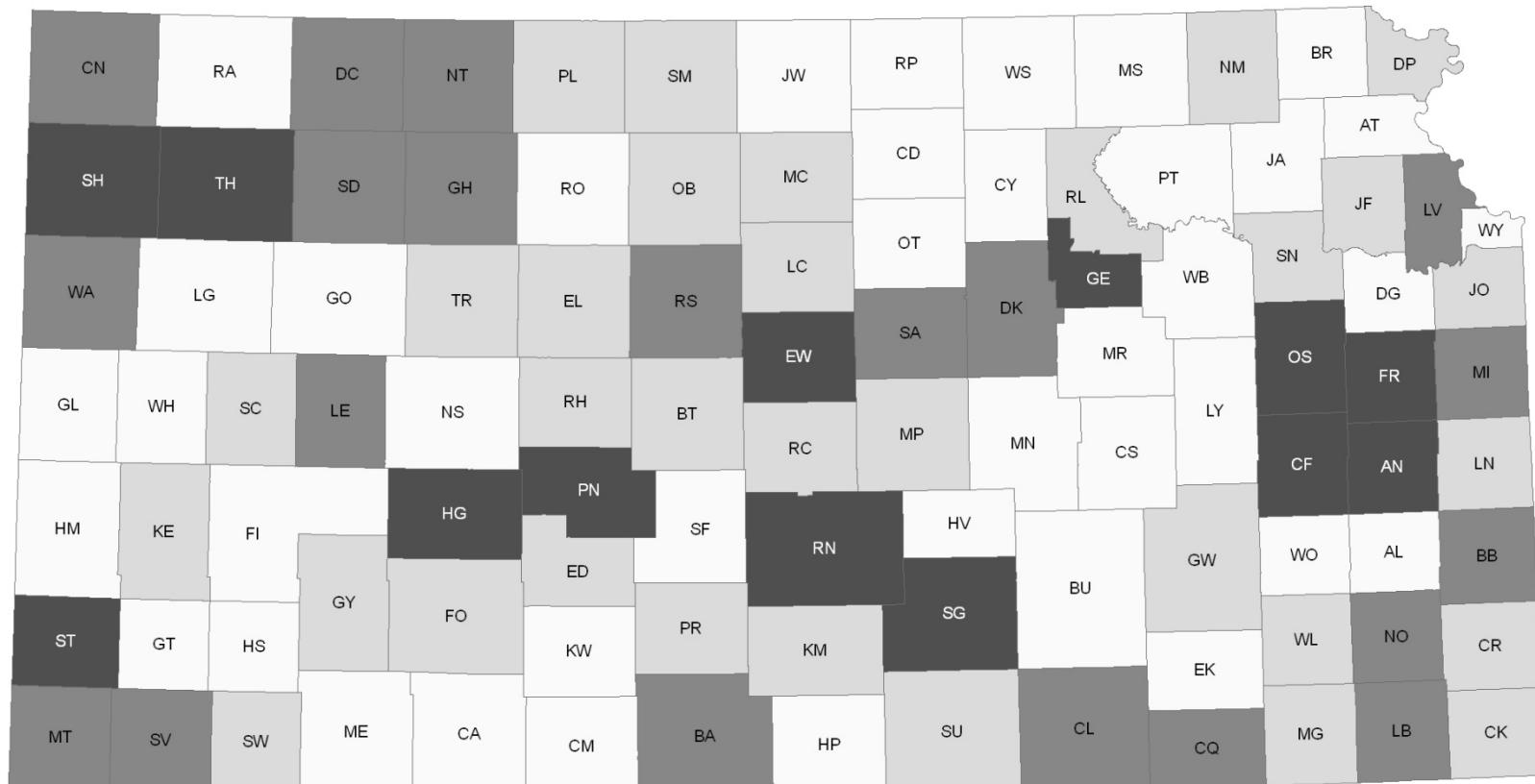


Figure 35

## Marriage Rates

Kansas and the U.S., 1913-2010

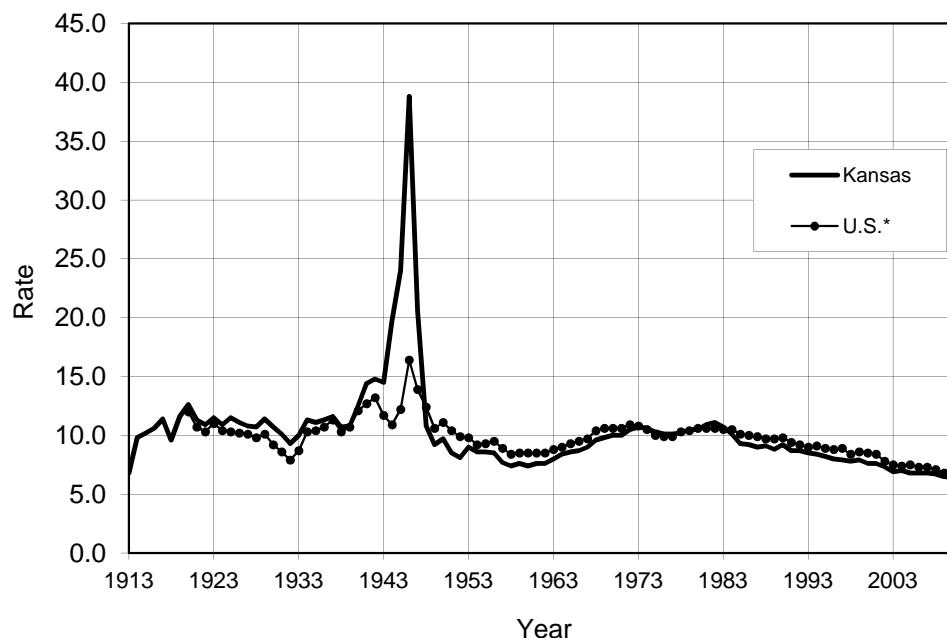


Figure 36

\*1913-1919 not available, 1991-2009 Rates Provisional, 2010 Rates not yet available.

Rate per 1,000 Population

## Marriage Dissolution Rates

Kansas and the U.S., 1951-2010

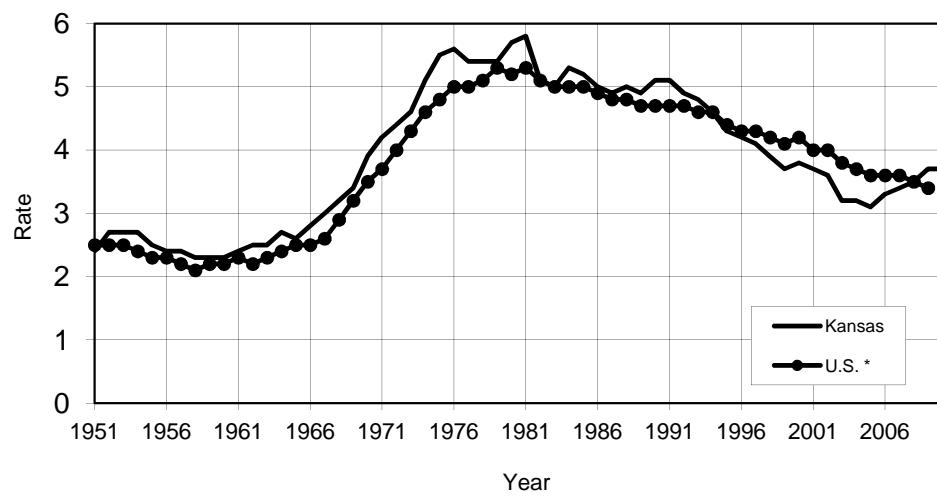


Figure 37

\*1991-2009 Rates Provisional, 2010 Rates not yet available.

Rate per 1,000 Population

**Table 76**  
**Marriages by Population Group of Groom by Population Group of Bride**  
**Kansas, 2010**

Population Group of Groom	Total	Population Group of Bride						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other* Non-Hispanic	Hispanic Any Race	N.S.
Total.....	18,150	13,943	906	141	479	358	2,245	78
White Non-Hispanic....	13,668	12,516	105	77	207	183	561	19
Black Non-Hispanic....	1,241	328	747	10	16	57	80	3
Native American Non-Hispanic.....	155	104	1	30	4	3	13	0
Asian/Pacific Non-Hispanic.....	320	78	1	0	222	5	14	0
Other Non-Hispanic*...	366	212	23	4	9	76	39	3
Hispanic Any Race....	2,328	680	29	20	21	34	1,532	12
N.S.....	72	25	0	0	0	0	6	41

\* Includes selection of two or more races or other non-specified race

**Table 77**  
**Marriages Dissolutions by Population Group of Husband by Population Group of Wife**  
**Kansas, 2010**

Population Group of Husband	Total	Population Group of Wife						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other* Non-Hispanic	Hispanic Any Race	N.S.
Total.....	10,579	8,348	525	80	206	102	758	560
White Non-Hispanic....	8,121	7,621	36	52	85	43	219	65
Black Non-Hispanic....	750	207	456	10	8	17	34	18
Native American Non-Hispanic.....	58	42	2	8	1	2	3	0
Asian/Pacific Non-Hispanic.....	140	33	2	2	93	0	9	1
Other Non-Hispanic*...	114	55	7	1	5	31	9	6
Hispanic Any Race....	833	308	13	5	10	8	474	15
N.S.....	563	82	9	2	4	1	10	455

\* Includes selection of two or more races or other non-specified race

# Number of Marriages by Month

Kansas, 2010

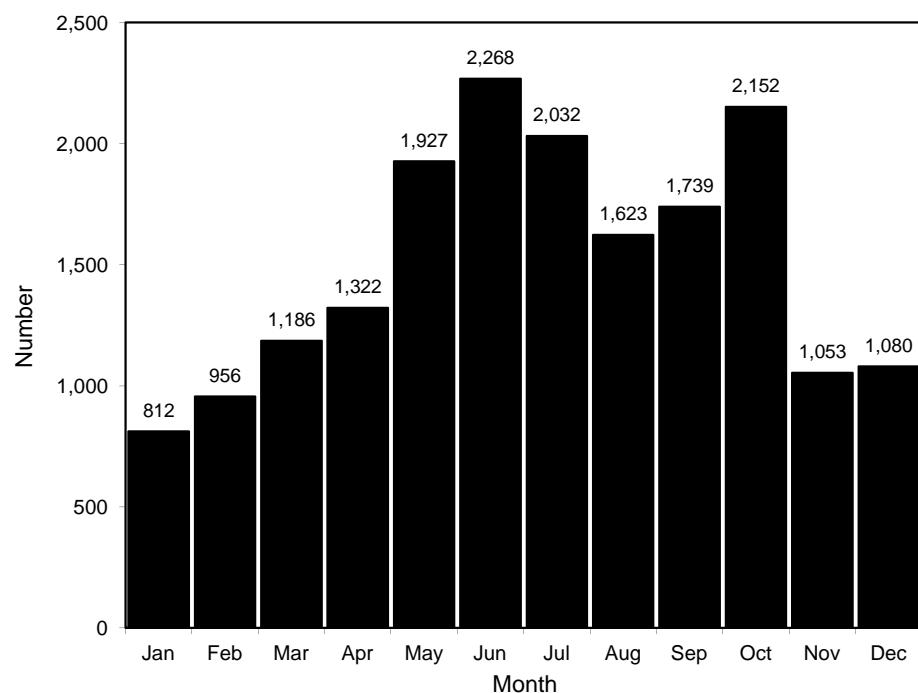


Figure 38

Table 78  
Marriages by Premarital Status of Bride  
By Premarital Status of Groom  
Kansas, 2010

Premarital Status of Groom	Total	Premarital Status of Bride				
		Never Married	Divorced	Annulled	Widowed	Not Stated
Total.....	18,150	12,115	5,444	112	450	29
Never Married.....	12,210	10,235	1,822	56	84	13
Divorced.....	5,355	1,768	3,336	42	205	4
Annulled.....	123	52	52	13	6	0
Widowed.....	439	48	233	1	155	2
Not Stated.....	23	12	1	0	0	10

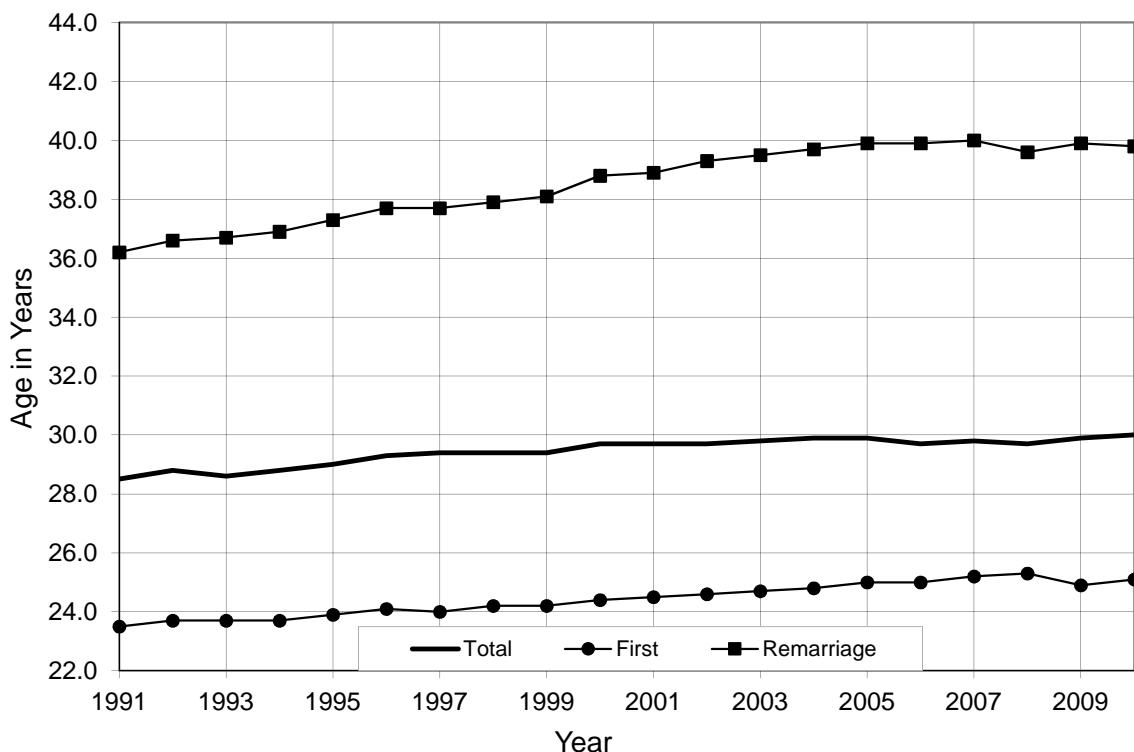
Table 79  
Marriages by Age-Group of Groom by Age-Group of Bride  
Kansas, 2010

Age-Group of Groom	Total	Age-Group of Bride														
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	Not Stated
Total.....	18,150	0	1,355	5,596	4,540	2,196	1,343	1,028	781	606	306	173	103	56	62	5
Under 15.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19.....	510	0	367	124	13	2	2	2	0	0	0	0	0	0	0	0
20-24.....	4,582	0	778	3,083	570	114	23	9	1	3	0	0	0	0	0	1
25-29.....	4,948	0	158	1,825	2,338	458	114	42	8	2	1	0	1	0	0	1
30-34.....	2,764	0	31	391	1,112	846	270	78	25	7	2	0	1	0	0	1
35-39.....	1,526	0	15	108	335	450	399	158	47	12	0	1	0	0	0	1
40-44.....	1,126	0	3	37	113	187	292	303	128	47	13	2	1	0	0	0
45-49.....	889	0	2	15	29	83	159	227	248	101	17	7	1	0	0	0
50-54.....	717	0	0	10	18	33	55	130	196	194	58	14	8	0	0	1
55-59.....	460	0	0	0	6	14	19	62	85	147	91	28	5	3	0	0
60-64.....	261	0	1	2	3	7	7	11	23	59	78	58	12	0	0	0
65-69.....	168	0	0	1	2	1	3	4	11	20	33	41	32	15	5	0
70-74.....	79	0	0	0	0	0	0	1	5	2	8	9	23	19	12	0
75 & Over.....	119	0	0	0	1	1	0	0	4	12	5	13	19	19	45	0
Not Stated.....	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0

# Average Age at Marriage

Kansas, 1991-2010

## Bride



## Groom

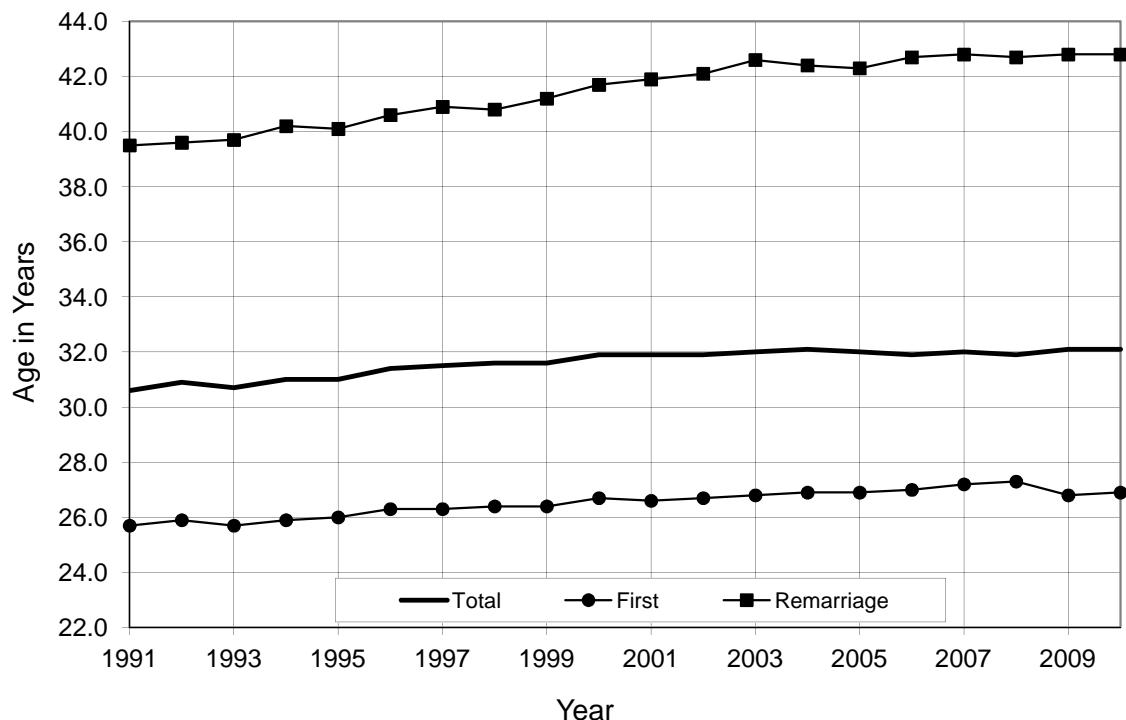


Figure 39

Table 80  
 Marriage Dissolutions by Age-Group of Husband by Age-Group of Wife  
 Kansas, 2010

Age-Group of Husband	Age-Group of Wife															
	Total	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	Not Stated
Total.....	10,579	1	70	1,062	1,886	1,744	1,555	1,423	1,125	786	389	173	91	30	35	209
Under 15.....	4	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0
15-19.....	16	0	8	6	1	0	1	0	0	0	0	0	0	0	0	0
20-24.....	696	0	50	502	106	17	5	4	0	0	0	0	0	0	0	12
25-29.....	1,583	0	7	412	892	195	42	12	2	1	0	1	0	0	0	19
30-34.....	1,763	0	3	83	625	767	181	54	23	4	0	1	0	0	0	22
35-39.....	1,597	0	1	32	163	480	612	207	50	18	6	1	0	0	0	27
40-44.....	1,441	1	1	10	53	174	422	548	149	47	7	2	0	0	1	26
45-49.....	1,292	0	0	4	22	61	185	380	445	142	31	4	1	0	1	16
50-54.....	922	0	0	4	7	17	66	133	296	301	65	21	3	0	0	9
55-59.....	551	0	0	0	2	9	19	40	103	175	158	30	7	1	0	7
60-64.....	281	0	0	0	1	2	4	21	29	59	85	57	13	3	2	5
65-69.....	147	0	0	0	1	0	1	3	9	17	23	39	40	6	2	6
70-74.....	62	0	0	0	1	0	0	1	3	7	4	8	13	12	6	7
75 & Over.....	56	0	0	0	0	0	0	1	1	4	4	5	10	8	22	1
Not Stated.....	168	0	0	8	12	22	16	18	14	11	6	4	4	0	1	52

# Average Age at Marriage Dissolution

Kansas, 1991-2010

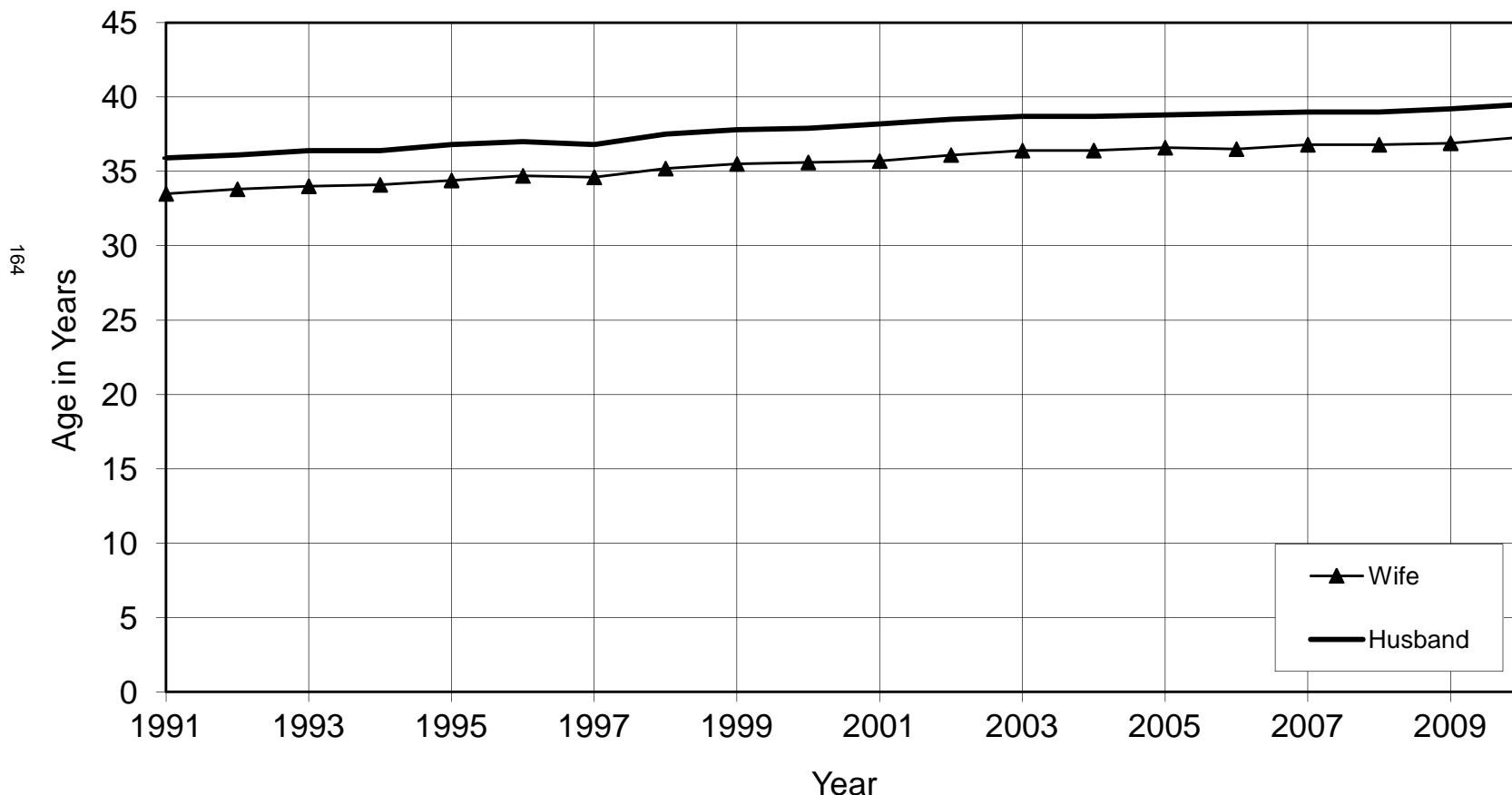


Figure 40

**Table 81**  
**Marriage Dissolutions**  
**By Duration of Marriage in Years**  
**Kansas, 2010**

Duration of Marriage	Total	Divorces	Annulments
Total.....	10,579	10,299	280
Under 1.....	400	273	127
1.....	777	702	75
2.....	886	863	23
3.....	858	834	24
4.....	767	756	11
5.....	684	682	2
6.....	626	624	2
7.....	521	518	3
8.....	519	515	4
9.....	415	414	1
10.....	411	410	1
11.....	358	358	0
12.....	297	296	1
13.....	255	255	0
14.....	255	254	1
15.....	265	265	0
16.....	247	247	0
17.....	205	205	0
18.....	167	167	0
19.....	180	180	0
20-24.....	659	657	2
25-29.....	380	380	0
30-34.....	208	208	0
35-39.....	101	101	0
40 & Over.....	74	72	2
Not Stated.....	64	63	1

# Marriage Dissolutions

## Percent Distribution by Number of Minor Children

Kansas, 2010

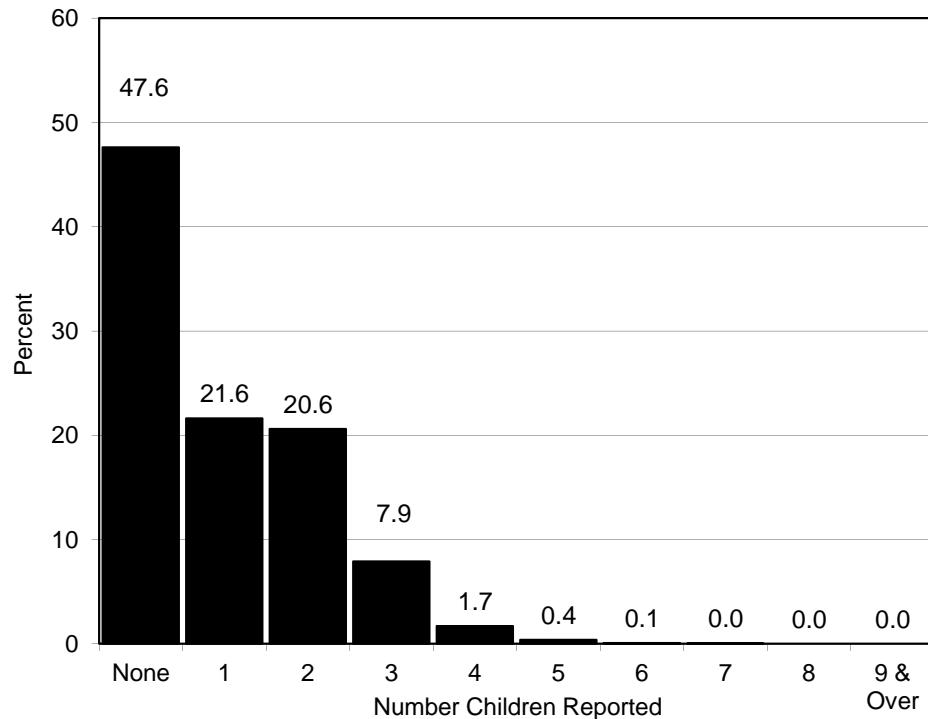


Figure 41

**Table 82**  
Marriage Dissolutions by Number of Minor Children Reported  
and Number of Minor Children Affected  
Kansas, 2010

Number of Minor Children Reported	Divorces		Annulments		Total Children Affected
	Number	Percent	Number	Percent	
Total.....	10,299	100	280	99.9	10,086
None.....	4,733	46.4	252	91.3	0
1 .....	2,249	22.1	12	4.3	2,261
2 .....	2,156	21.1	6	2.2	4,324
3 .....	825	8.1	4	1.4	2,487
4 or More.....	233	2.3	2	0.7	1,014
Not Stated.....	103	n/a	4	n/a	0

\*Represents the number of children involved in marriages ending in divorce or annulment.

# TECHNICAL NOTES

## **Registration**

Reporting of Kansas vital events to the Kansas Department of Health and Environment (KDHE) is mandated by law (K.S.A. 65-102, K.S.A. 65-2422b, K.S.A. 65-445). The filing of birth and death records began in 1911, the registration of marriages was initiated in 1913, and divorce tabulations started in 1951. The reporting of abortions began in 1970. Birth, death, stillbirth, marriage, marriage dissolution certificates, and abortion reports are completed by the combined efforts of physicians, hospital personnel, funeral directors, attorneys, and local courts. All certificates and reports are filed with the Office of Vital Statistics by direct reporting. Since the registration of vital events began, over 10 million records have been processed, filed, and indexed.

## **Revisions to 2010 Annual Summary**

The Annual Summary for 2010 contains four new tables. No tables or figures have been deleted from the past year. Please see Technical Notes for past years for information on other table and figure changes. Table and figure numbers are updated to reflect the changes.

## **Health Equity and Disparities**

Several new tables present data and statistics on health disparities or health equality. According to the National Partnership for Action to End Health Disparities (NPA),

**"Health equity** is attainment of the highest level of health for all people. Achieving health equity requires valuing everyone equally with focused and ongoing societal efforts to address avoidable inequalities, historical and contemporary injustices, and the elimination of health and healthcare disparities". [1]

## **Live Births by Trimester Prenatal Care Began by Population Group**

This table shows the number and percentage of live births by trimester prenatal care began and population group. Starting prenatal care in the first trimester is particularly important for women with risk factors for poor infant and maternal outcomes. As an example, national data (2008) shows wide differences in pre-pregnancy diabetes (DM) and gestational diabetes (GDM) observed by race and Hispanic origin. Among the three largest racial and ethnic groups, Black non-Hispanic women are more likely than White non-Hispanic and Hispanic women to have DM; Hispanic and white non-Hispanic mothers are more likely to develop GDM than black non Hispanic mothers. [2]

### Data caveats

- In calculating percent, unknowns are excluded.
- Border county residents who deliver out of state may have a high number of unknown or missing values.

## **Live Births by Population Group of Mother by Birth Weight in Grams**

This table shows the number of live births by birth weight in grams and population group. Infant weight at birth is an important predictor of short term complications and long term health. Smaller infants, especially those born at less than 1,500 grams are at the greatest risk. Among the three largest racial and ethnic groups, national data (2008) shows that Black non-Hispanic women are more likely than White non-Hispanic and Hispanic women to have very low birth weight babies. [3]

## Technical Notes (Cont.)

### **Live births by Population Group of Mother by Final Route of Delivery**

This table shows the number of deliveries by the final route of delivery and the percentage of cesarean births and cesarean births preceded by a trial of labor. Nationally, the total cesarean delivery rate has been increasing since the mid-1990s, reaching 32.3 percent in 2008[3]. The increase in cesarean births is a public health concern, since the surgery may have risks for both the mother and newborn.

Cesarean deliveries may contribute to the growing number of babies who are born "late preterm," between 34 and 36 weeks gestation. While babies born at this time are usually considered healthy, they are more likely to have medical problems than babies born a few weeks later at fullterm. [4]

#### Data caveats

- In calculating percent, unknowns are excluded.
- Data collected on cesarean deliveries by the birth certificate before 2005 are not comparable to data collected in 2005 and after.

### **External Cause of Death by Injury Matrix, Intent and Cause Group Categories**

This table uses the Centers for Disease Control & Prevention (CDC) injury matrix to categorize cause or mechanism of death by intent. The ICD-10 codes for the intent categories by mechanism are available for download at the following internet address.

[http://www.cdc.gov/nchs/injury/injury\\_tools.htm](http://www.cdc.gov/nchs/injury/injury_tools.htm)

Injuries, including all intents, are the leading cause of death in the 1-44 age-groups. This table with intent is provided to give a better understanding of the problem and help identify intervention activities.

#### Data caveats

- Adverse effects of drugs and medical care are excluded.

### **Years of Potential Life Lost before Age 75 (YPLL75)**

The YPLL75, for this report, is a measurement of the number of years of potential life lost by each death occurring before age 75. [5] This calculation provides more information on the societal impact of mortality. Years of potential life lost counts deaths at a younger age more heavily than those at older ages (e.g., the younger person has a greater potential for years left than an elderly person). YPLL75 values were calculated by subtracting the age of the decedent from 75 only for those persons who died before that age. The resulting value represents the years of potential life lost. These values are then summed for all individuals, providing the total years of life lost.

This method represents a new approach for years of potential life lost calculations. Formerly, KDHE used the life expectancy for males and females for the calculations. The change allows for more uniformity in calculation of YPLL75 as well as better comparability to national statistics. YPLL75 statistics in this report can't be compared to statistics from prior years' reports because of the change in methodology.

## Technical Notes (Cont.)

### **2009 Revisions to Certificates**

Beginning in July 2009, Kansas implemented an Electronic Death Registration System involving online entry of medical information by physicians. At the same time, the death certificate was modified to include a new item “3. If female, name prior to first marriage.” Neither change has an affect on the information reported in this report.

### **2005 Revisions to Certificates**

Beginning with the reporting of 2005 data, Kansas implemented the 2003 revision of the U.S. standard certificates and reports. The new data collection instruments are included at the end of this report. Not all states use the new certificate format. Therefore, some routinely collected birth and death information may not be available for Kansas residents when an event occurs in another state.

While most certificate items are comparable with past years, some items changed considerably when certificates were revised. These changes can affect comparability with previous years statistics. The three areas of greatest impact are noted below.

#### **Prenatal care visits**

In previous years, the mother or prenatal care provider reported the month of pregnancy in which the mother began prenatal care. As of 2005, this item was replaced by the exact dates of first and last prenatal visit. Therefore, the month prenatal care began is now calculated from the last normal menses date and the date of first prenatal care visit. Accordingly, prenatal care data in this report ([Tables 17](#) and [18](#), [Figure 17](#)) are not directly comparable to data collected from previous certificates.

#### **Race-Ethnicity**

The revised certificates contain significant changes in the way self-reported race and Hispanic origin is collected. The race item was revised to allow the reporting of multiple races and can capture up to 15 categories and eight literal entries. In addition, Hispanic origin is now collected as a separate question from ancestry. These changes were implemented to provide a better picture of the nation’s variation in race and ethnicity. The expanded racial and ethnic categories are compliant with the provisions to the Statistical Policy Directive No. 15, Race and Ethnic Standards for Federal Statistics and Administrative Reporting, issued by the Office of Management and Budget (OMB) in 1997. [6] Under these guidelines, when race and Hispanic origin are collected separately, Hispanic origin is collected first on the certificate.

#### **Population-Group Reporting**

Changes to reporting of Hispanic origin and race, combined with concerns over confidentiality and comparisons among race and origin categories, resulted in the development of a population-group approach to reporting statistics by race/ethnicity. This method creates a unique matrix of population groups combining race and Hispanic origin for reporting statistics. At the most detailed level there are nine population-groups: Hispanic any race, White non-Hispanic, Black non-Hispanic, Asian non-Hispanic, Native Hawaiian and other Pacific Islander (NHOPI) non-Hispanic, American Indian/Alaska Native (AIAN) non-Hispanic, Multiple race non-Hispanic, Other race non-Hispanic, and Unknown race non-Hispanic. In the event Hispanic origin is unknown but race information is known, the individual will be reported as the specified race and non-Hispanic.

BEPHI developed an aggregation grid (Table A) to use when counts for population-groups are too small to be displayed or used in a rate calculation.

This report uses partial or full aggregation of population groups for reporting statistics.

## Technical Notes (Cont.)

**Table A. Aggregation Grid for Population Groups**

Aggregation Level	Population Groups								
	Hispanic any Race	White Non-Hispanic	Black Non-Hispanic	Asian Non-Hispanic	NHOPI Non-Hispanic	AIAN Non-Hispanic	Multi race Non-Hispanic	Other race Non-Hispanic	Unknown Non-Hispanic
None	Hispanic any Race	White Non-Hispanic	Black Non-Hispanic	Asian Non-Hispanic	NHOPI Non-Hispanic	AIAN Non-Hispanic	Multi race Non-Hispanic	Other race Non-Hispanic	Unknown Non-Hispanic
Partial	Hispanic any Race	White Non-Hispanic	Black Non-Hispanic	Asian/NHOPI Non-Hispanic		AIAN Non-Hispanic	Multi & other non-specified race(s)	N.A.	
Full	Hispanic any Race	White Non-Hispanic	Black Non-Hispanic		Multi, other specified & non-specified race(s) Non-Hispanic			N.A.	

The U.S. Census Bureau (USCB) population estimates, revised in accordance with the new OMB standards, produces population estimates that can be collapsed into seven of the nine population-groups. These estimates are used as the denominator in calculating population-based rates by population group for selected vital events ([Figures 3](#) and [18](#), [Table 48](#)) in this report.

USCB also prepares a set of bridged-race population estimates in collaboration with NCHS. These estimates - in which persons of Hawaiian, or Pacific Islander race or of multiple races were bridged or collapsed into the four categories of White, Black, American Indian/Alaska Native, and Asian - are used as the base for creating population data for specific age groups needed to calculate teen pregnancy rates ([Tables 32](#) and [34](#)). The un-bridged census annual population estimates do not have the specific age groups needed for teen pregnancy rates.

### **Quality of Data**

The quality of the analyses in the *Annual Summary of Vital Statistics* depends on complete and accurate reporting of vital events. Records are collected on an occurrence basis in every state or jurisdiction, regardless of the residence of the individual. Each jurisdiction provides occurrence information to NCHS. An inter-jurisdictional exchange agreement among all 56 registration states/jurisdictions and Canada ensures that vital events occurring to Kansas residents in other states or Canada are shared with KDHE.

Birth, death, and stillbirth data in the *Kansas Annual Summary of Vital Statistics* are based on the events that occurred to Kansas residents during a given calendar year and reported before a given cutoff date. The Bureau of Epidemiology and Public Health Informatics (BEPHI) uses June 30 of the year after the event year as the cutoff for receipt of out-of-state occurrence Kansas resident birth, death, and stillbirth reports. The NCHS cutoff date is around September 30 of the year after the event year.

The Office of Vital Statistics works to ensure the completeness and accuracy of the certificates filed. Reports received from other states after June 30, 2011, consist of less than one percent of the total reports filed, are considered negligible, and are excluded from this report.

Some states do not process their inter-jurisdictional exchange records until after the BEPHI cutoff. These records are excluded in the event year's Annual Summary. This is a primary reason why counts and rates reported in the Kansas Annual Summary may differ from those eventually reported by NCHS. It's also a factor in why Kansas vital statistics data are not available immediately after a calendar year ends.

BEPHI is committed to reducing the number of excluded records. It monitors receipt of out-of-state occurrence records, and contacts other jurisdictions when NCHS reports out-of-state occurrence births and deaths to Kansas residents.

Incomplete divorce reporting by Kansas District Courts negatively affects divorce statistics. Despite efforts to assure 100 percent reporting compliance, not all divorce and annulment certificates are filed with KDHE. The Bureau is unable to estimate the number of these records

## Technical Notes (Cont.)

not filed. Users of marriage dissolution statistics should exercise caution before making any conclusions based on these data. The Bureau is obligated to report the data it collects, but recommends that any marriage dissolution data findings be accompanied by a statement that totals may not represent 100 percent of this vital event due to under-reporting.

From July, 1970, through June, 1995, state law required only Kansas hospitals to keep and submit to KDHE written records of pregnancies terminated in the hospital. During this reporting period, non-hospital providers reported terminations only on a voluntary basis. Although most abortions were reported, some underreporting may have occurred. In 1995 the Kansas legislature amended K.S.A. 65-445, broadening the reporting requirement to include every medical care facility and every person licensed to practice medicine.

### **Imputation**

Unknown values in vital records result in records being excluded from tabulations. As part of ongoing data quality efforts, BEPHI identifies records with missing or illogical information and works with the Office of Vital Statistics, hospitals, and physicians to obtain information to fill in the blanks and correct mistakes. However, there are occasions when the information remains unknown in the analytical files used to create the statistics in this report. In limited instances, BEPHI will impute missing information using commonly accepted techniques in the civil registration/data analysis field. Imputation can either involve review of other information in the vital record to deduce the unknown value or using some form of algorithm to randomly assign a value.

For 2010 data, the Bureau addressed unknowns or illogical values in age, county of residence, and sex. Cities and counties were corrected for spelling, city in correct county, and for missing information. Race and ethnicity entries were corrected when "unknown" and a specified category were selected. In the natality file, sex was imputed for one record. In the mortality file, sex was imputed for one decedent. Not every unknown can be corrected. There were two deaths in 2010 for which no age could be calculated. No imputation occurred to the Marriage, Marriage Dissolution, and Induced Termination files.

### **Handling of Unknowns**

Items for which no response was provided are shown as "not stated" (N.S.) in tables and graphs throughout this publication. To ensure statistical accuracy, the "not stated" count has been subtracted from the denominator when calculating percentages.

### **Residence vs Occurrence Data**

Residence data is information compiled according to the usual residence regardless of where the event occurred (including events occurring out-of-state). Occurrence data is information compiled according to the geographical location where the event took place, regardless of the actual residence. Information compiled for births, stillbirths, and deaths in this report are residence data, while marriages and marriage dissolutions are occurrence data and abortions are reported in both data formats (residence and occurrence).

### **Population**

State, county, and city population estimates for 2003-2009 were produced by the USCB and certified by the Kansas Division of the Budget. These estimates are on the Division's website at: <http://budget.ks.gov/ecodemo.htm>. ([Tables 4 and 5](#), [Figure 4](#))

Population estimates by age-group and sex for 1988-1989, 1991-1999, and 2002-2009 were obtained from USCB. Actual population counts were used for 1990, 2000, and 2010.

Population by age-group and sex was not available from the USCB for 2001 and was estimated by the Kansas Department of Health and Environment based on 2000 USCB numbers ([Table](#)

## Technical Notes (Cont.)

6). These numbers were used in age-specific and age-adjusted calculations ([Tables 12, 43, 52, 53, 60, Figures 11, 12 and 30](#)). Population by Population-Group and Population-Group-specific birth and death rates ([Tables 7, 8](#) and [Figure 3](#)) for 2010 are based on actual U.S. Census counts that comply with the new race standards and can be obtained on the Internet at: <http://www.census.gov/popest/estimates.php>.

Due to rounding and variation in estimation methods within the USCB, some discrepancies may be found in population data ([Tables 4](#) and [6](#)). Usually differences are negligible and rarely result in discrepancies in the totals. We advise you to utilize state totals from the county population totals when a total population estimate is needed.

Because the USCB reassigns the race of certain categories in their bridged and un-bridged estimates, 2010 totals by population group may be inconsistent with 2009 estimates. This will affect population-based rates wherein the 2010 population, used for the denominator in the rate, will be artificially lower than the prior year's estimate. The greatest impact will involve rates for the smaller population groups.

### **Female Population 10-19**

Estimates of the Kansas female population for 1988-1999 were obtained from the USCB, and actual population counts were used for 1990, 2000 and 2010.

The 2001 state and county estimates for teenage females (10-14, 10-17, 15-19, 10-19) were compiled by the KDHE based on 2000 USCB numbers. In order to estimate the 2001 teenage female population for the various age groupings, the 2000 proportion for the age grouping within the total population had to be derived. These estimates were calculated as in the following example for 2001.

$$\begin{array}{l} \text{Female Population 10-14 Year} \\ \text{Age Group (2000)} \\ \hline \text{2000 Population All Ages} \end{array} \times \frac{\text{2001 Population}}{\text{All Ages}} = \begin{array}{l} \text{10-14 Year} \\ \text{Age-Group} \\ \text{(2001)} \end{array}$$

Female population estimates for 2002-2009 were obtained from the Bridged-race Vintage 2002, 2003, 2004, 2005, 2006, 2007, 2008, and 2009 postcensal series by year, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement between NCHS and the U.S. Census Bureau. The population data are at: [http://www.cdc.gov/nchs/nvss/bridged\\_race/data\\_documentation.htm](http://www.cdc.gov/nchs/nvss/bridged_race/data_documentation.htm). ([Tables 32](#), and [34](#))

## Technical Notes (Cont.)

### **Peer Groups**

For various demographic studies, it is useful to consider groups of counties with similar characteristics.

“Peer Groups” of counties, as used in this summary (Table B), are defined as those with similar population density based on a method derived by the KDHE Bureau of Community Health Systems.

Frontier counties are defined as those with less than 6.0 persons per square mile, Rural counties as those with 6.0 - 19.9 persons per square mile, Densely-

Settled Rural counties as those with 20.0 - 39.9 persons per square mile, Semi-Urban counties as those with 40.0 - 149.9 persons per square mile, and Urban counties as those with 150.0 or more persons per square mile. These designations should *not* be confused with the USCB definitions of urban and rural areas

The KDHE Bureau of Epidemiology and Public Health Informatics applies these definitions, updating the groups with every decennial census. Based on the 2010 census, eight Kansas counties (highlighted in italics) changed peer groups. In order to facilitate a time series comparison, Peer-Group statistics for prior years are based on the Peer-Group in effect during that decade. [7] Sources for calculation of population densities are population figures from the 2010 U.S. Census and land areas from the 2010 U.S. Census.

### **Cause of Death**

Underlying causes of death in the *2010 Annual Summary of Vital Statistics* are established through a system known as the International Classification of Diseases, 10th Revision (ICD-10). This system promotes uniformity and comparability in the collection and presentation of mortality data. Prior to 1999, Kansas used ICD-9 to report mortality statistics. Periodically the classification system needs to be updated to address new diseases and reflect a better understanding of causes of death. The World Health Organization maintains ICD-10 and the NCHS, which compiles national statistics, modifies ICD-10 for use by Kansas and other states. [8] Death data from 1999 forward are classified by ICD-10, and trends in mortality will be comparable. Such data trends are not comparable if the statistics bridge 1998-1999.

In accordance with NCHS guidelines, stillbirths that were coded Symptoms, Signs & Abnormal Findings (R00 - R99) are now coded unspecified cause (P95).

**Table B. Population Density Peer Groups Counties**

<b>Frontier</b>					
Barber	Chase	<i>Chautauqua</i>	Cheyenne	Clark	Comanche
Decatur	Edwards	Elk	Gove	Graham	Greeley
<i>Greenwood</i>	Hamilton	Hodgeman	Jewell	Kearny	Kiowa
Lane	Lincoln	Logan	Meade	Morton	Ness
Osborne	Rawlins	<i>Rooks</i>	Rush	Sheridan	<i>Sherman</i>
Smith	Stafford	Stanton	Trego	Wallace	Wichita
<b>Rural</b>					
Anderson	Brown	Clay	Cloud	Coffey	Ellsworth
Grant	Gray	Harper	Haskell	Kingman	Linn
Marion	Marshal	Mitchell	Morris	Nemaha	Norton
Ottawa	Pawnee	Phillips	Pratt	Republic	Rice
Russell	Scott	Stevens	Thomas	Wabaunsee	Washington
Wilson	Woodson				
<b>Densely-Settled Rural</b>					
Allen	Atchison	Barton	Bourbon	Cherokee	Cowley
Dickinson	Doniphan	Ellis	Finney	Ford	Jackson
Jefferson	Labette	<i>Lyon</i>	McPherson	Neosho	Osage
Pottawatomie	Seward	Sumner			
<b>Semi-Urban</b>					
Butler	Crawford	Franklin	Geary	Harvey	Miami
Montgomery	Reno	Riley	Saline		
<b>Urban</b>					
Douglas	Johnson	<i>Leavenworth</i>	Sedgwick	Shawnee	Wyandotte

## Technical Notes (Cont.)

### **Age-Adjusted Death Rates**

The mortality rate, the number of deaths per 100,000 population, is a common way to report death statistics so that comparisons can be made from year to year or among geographic areas. Crude death rates compensate for the differences in population within the areas or time periods studied. Crude death rates, however, do not compensate for the different age make up of compared populations. For example, some Kansas counties may have more older residents than other counties. To address this, statisticians prepare age-adjusted death rates. The direct method for calculating age-adjusted death rates was used in this report. Age-adjusting is a process by which the age composition of a population is defined as constant so that differences in age composition can be eliminated from the analysis. This is needed because older populations have higher death rates, merely because death rates increase with age.

Age-adjusted rates allow for more meaningful comparison of the risk of mortality over time and among groups.

For this report, age-adjusted death rates were calculated using the 2000 population standard. Kansas began using the 2000 population standard, as recommended by NCHS, in the *1999 Annual Summary of Vital Statistics*.

### **Comparing Age-Adjusted Death Rates**

Mortality rates, derived from vital records, are not subject to sampling error but are subject to what is termed random error. This arises from random variations in the number of deaths over time or between different communities. The potential impact of variation increases as the number of events decreases. This makes resulting rates subject to volatility, and requires caution when comparing them to rates from other populations, geographic areas, and time periods.

Confidence intervals are often used in research when comparing two age-adjusted death rates (for two different or independent populations) to determine whether a significant difference exists between them. Ninety five percent confidence intervals are provided for the age-adjusted rates in this report. The precise statistical definition of the 95% confidence interval is that if the measurement was conducted 100 times, 95 percent of the time the true value would be within the calculated confidence interval and five percent of the time the true value would be either higher or lower than the range of the confidence interval.

The first step in calculating a confidence interval for an age-adjusted rate is the computation of a standard error (SE), which defines the rate's variability. The SE for an adjusted rate per 100,000 population can be estimated by dividing that rate by the square root of the number of events (n) upon which the rate was based:

$$\text{RATE}/\sqrt{N}$$

The estimated SE can then be used to compute a 95% confidence interval (CI) for the rate. The standard formula for determining the 95% CI of a rate is:

$$R \pm (1.96 \times \text{SE})$$

Computing confidence limits for pairs of rates varies depending on the number of events on which each rate was created. The formula below was used for calculating confidence intervals that appear in this report. (Table 60)

## Technical Notes (Cont.)

### **Confidence limits for rates when the numerator is 100 or more**

In this case, use the following formula for the rate R based on the standard error SE:

$$\begin{aligned} \text{Lower limit} &= R - (1.96 \times \text{SE}) \\ \text{Upper limit} &= R + (1.96 \times \text{SE}) \end{aligned}$$

where:

$$\begin{aligned} R &= \text{the rate (age-adjusted rate)} \\ \text{SE} &= \text{the rate divided by the square root of the number of events} \\ &\quad (\text{deaths}) \end{aligned}$$

An example of this would be the comparison of cancer age-adjusted death rates for two years. If 2007's rate has a 95% confidence interval of 174.3-183.9 and the 95% confidence interval for 2008 is 168.3-177.7, then they overlap and there is no significant difference between the two years rates, at the 95% confidence level.

There are various statistical formulas for comparing rates, depending on the types of rates or populations being studied and the number of events involved. Please note that the formulas shown above are a conservative approach and, in some cases, may not be the most appropriate.

### **Significance test when both rates are based on 100 or more events**

To compare two rates when both are based on 100 or more events, first calculate the difference between the two rates by subtracting the lower rate from the higher rate. This difference is considered statistically significant if it exceeds the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two rates.

$$1.96 \sqrt{\frac{R_1^2}{N_1} + \frac{R_2^2}{N_2}}$$

where:

$$\begin{aligned} R_1 &= \text{the first rate} \\ R_2 &= \text{the second rate} \\ N_1 &= \text{the first number of events} \\ N_2 &= \text{the second number of events} \end{aligned}$$

If the difference is greater than this statistic, then the difference would occur by chance less than five times out of 100. The difference is statistically significant at the 95 percent confidence level.

If the difference is less than this statistic, the difference might occur by chance more than five times out of 100. The difference is not statistically significant at the 95 percent confidence level.

NCHS was used as a source for confidence interval and significance tests based on the *Vital Statistics of the United States: Mortality, 1999 Technical Appendix*.

### **Rate Reliability**

Vital statistics are easily influenced by random variation and single-year rates can fluctuate from year to year. A multiple-year rate such as a five- or ten-year average of single-year rates would be more accurate in formulating conclusions on vital events. For example, between 2005 and 2009 the infant death rate for Kansas ranged from 7.0 to 7.9, while the 2005-2009 five-year infant death rate for Kansas was 7.4 infant deaths per 1,000 live births. A five or 10-year rate smoothes some of the single-year rate variation and is a more reliable indicator of Kansas infant death rates.

## Technical Notes (Cont.)

Rates based on a small or large number of events in a sparsely populated area can vary widely. To exemplify the variation that may occur with a small change in the number of events, in 2009 Greeley County was the least populated county in Kansas with 1,234 residents and Johnson County was the largest with 542,737 residents. With 15 deaths occurring in Greeley County in 2009, the crude death rate was 12.2 deaths per 1,000 population; whereas 3,234 deaths occurring in Johnson County resulted in a crude death rate of 6.0 deaths per 1,000 population. If five more deaths occurred in each county (e.g., multiple-death accident), Greeley County's crude death rate would have increased to 16.2, while Johnson County's rate would have increased by only a few hundredths and, with rounding, still remain 6.0 deaths per 1,000 population. Therefore, one must use caution when comparing rates of vital events between counties of extreme population size differences to avoid misleading conclusions.

### **Criteria for the Adequacy of Prenatal Care Utilization (APNCU) INDEX**

Adequacy of prenatal care utilization values are based on a method developed by Dr. Milton Kotelchuck [8]

#### **I. Month prenatal care began (Adequacy of Initiation of Prenatal Care)**

Adequate Plus: 1st or 2nd month

Adequate: 3rd or 4th month

Intermediate: 5th or 6th month

Inadequate: 7th month or later or no prenatal care

#### **II. Proportion of the number of visits recommended by the American College of Obstetricians and Gynecologists (ACOG) received from the time prenatal care began until delivery (Adequacy of Received Services)**

Adequate Plus: 110% or more

Adequate: 80% - 109%

Intermediate: 50% - 79%

Inadequate: less than 50%

#### **III. Summary Adequacy of Prenatal Care Utilization Index**

Adequate Plus: Prenatal care begun by the 4th month and 110% or more of recommended visits received

Adequate: Prenatal care begun by the 4th month and 80% - 109% of recommended visits received

Intermediate: Prenatal care begun by the 4th month and 50% - 79% of recommended visits received

Inadequate: Prenatal care begun after the 4th month or less than 50% of recommended visits received

### **Criteria for Small for Gestational Age (SGA)**

Small for gestational age is when the infant's birth-weight is less than the 10th percentile, (lowest 9.9 percent of births). These infants may be normal but small or pathologically small (intrauterine growth restriction).

"Many different things can lead to intrauterine growth restriction (IUGR). An unborn baby may not get enough nutrition because of:

- High altitudes,
- Multiple pregnancies (twins, triplets, etc.),
- Placenta problems,
- Preeclampsia or eclampsia

## Technical Notes (Cont.)

Congenital or chromosomal abnormalities are often associated with below-normal weight. Infections during pregnancy that affect the developing baby, such as rubella, cytomegalovirus, toxoplasmosis, and syphilis may also affect the weight of the developing baby.” [10]

Infants born small for gestational age but constitutionally normal may represent 40% or more of the SGA infants at term. [11, 12] However, “In early preterm gestations, the definition of SGA may be justified as a proxy for IUGR.” [12] Statistics reported for SGA are based on using birth-weights from 2010 births for the state as a whole as the reference in establishing the cutoff point. In calculating percents, unknowns are excluded. Data are adjusted for gender or population group of the infant.

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## **DEFINITIONS**

The following terms, formulas, and symbols are defined for more meaningful interpretations of the data contained in this report.

Abortion (induced termination of pregnancy):	The purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus and which does not result in a live birth.
Adequacy of Prenatal Care Utilization (APNCU) Index:	An assessment of the adequacy of prenatal care measured by the APNCU Index (often referred to as the Kotelchuck Index), a composite measure based on gestational age of the newborn, the trimester prenatal care began, and the number of prenatal visits made.
Age-Adjusted Death Rate:	A calculation by which the age composition of a population is defined as constant so that differences in age composition can be eliminated from the analysis.
Annulment:	The invalidation of a marriage contract.
Birth Order:	Live birth order is determined from birth certificates specifying the total number of live births (living and dead) the mother had. It is calculated as the sum of the prior live births plus the current birth.
Birth Weight:	The weight of the fetus or infant at the time of delivery.
Body mass index (BMI):	A key index for relating a person's body weight to their height. The BMI is a person's weight in pounds times 703 divided by their height in inches squared.
Cause of Death:	The underlying cause of death or that condition giving rise to the chain of events leading to death.
Congenital Anomalies:	Defects existing at and usually before birth regardless of causation.
Divorce:	The dissolution of a legally binding marriage contract.
Hebdomadal Death:	The death of a live-born infant which occurs prior to the seventh day of life.
ICD Code:	The cause-identifying number classified in the Tenth Revision of the International Classification of Diseases implemented by NCHS for deaths in 1999.
Infant Death:	The death of a live-born infant which occurs within the first year of life.
Live Birth:	The complete expulsion or extraction of a product of human conception from its mother, irrespective of the duration of pregnancy, that, after such expulsion or extraction, shows any evidence of life such as breathing, heartbeat, pulsation of the umbilical cord, or voluntary muscle movement, whether or not the umbilical cord has been cut or the placenta attached.

## **DEFINITIONS (cont.)**

Low Birth Weight:	Weight of a fetus or infant at delivery which is less than 2,500 grams (less than five pounds, 8 ounces).
Marriage:	The legal union of a male and female.
Marriage Dissolution:	A marriage dissolved by either a divorce or an annulment.
Maternal Death:	The death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes (Included in these deaths are ICD-10 codes A34, O00–O95, and O98–O99).
Medical Procedure I:	Refers to use of the drug mifepristone as a pregnancy termination procedure.
Medical Procedure II:	Refers to use of the drug methotrexate as a pregnancy termination procedure.
Natural Increase:	Live births minus total deaths of a population within a given year.
Neonatal Death:	The death of a live-born infant which occurs prior to the 28th day of life.
Occurrence Data:	Vital statistics compiled on the basis of where the vital event happened.
Out-of-Wedlock Birth:	A birth occurring to a mother who is not married at the time of conception or at the time of birth or at any time between conception and birth.
Peer Group:	A group of counties with similar population densities in persons per square mile, as adopted by the Kansas Department of Health and Environment, Bureau of Local and Rural Health.
Perinatal Period III Death:	The aggregate total of stillbirths (fetus weighs over 350 grams) and hebdomadal deaths (deaths that occur prior to the 7th day of life).
Population Density:	The average number of inhabitants per square mile.
Population Group:	A reporting matrix of race and Hispanic origin (ethnicity) information comprised of distinct categories.
Post-Hebdomadal Death:	The death of a live-born infant occurring seven days to prior to the twenty-eighth day of life.
Post-Neonatal Death:	The death of a live-born infant occurring 28 days to prior to the 365th day of life.

## **DEFINITIONS (cont.)**

Pregnancy-Associated Death:	The death of any woman, from any cause, while pregnant or within one calendar year of termination of pregnancy, regardless of the duration and the site of pregnancy. Maternal deaths are a subset of pregnancy-associated deaths.
Prenatal Care:	Pregnancy-related health care services provided to a woman between conception and delivery.
Previous Pregnancy:	Includes all previous reported spontaneous terminations, previous induced abortions, children born still living and children born now dead.
Puerperium:	Period of time after delivery, usually six to eight weeks, during which all maternal reproductive organs return to the normal pre-pregnancy condition.
Small for Gestational Age (SGA):	Condition where the live born infant's birth weight, lies below the 10th percentile for that gestational age.
Stillbirth:	Any complete expulsion or extraction from its mother of a product of human conception, the weight of which is in excess of 350 grams, irrespective of the duration of pregnancy, resulting in other than a live birth, and which is not an induced termination of pregnancy.
Residence Data:	Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred.
Teenage Pregnancy:	A live birth, stillbirth or abortion occurring to a female under 20 years of age.
Total Reported:	Used only for abortion reporting this represents all abortions reported regardless of residence or occurrence locations.
Trimester:	A three-month period of time. First trimester care, for example, refers to care initiated in the first three months of pregnancy.
Very Low Birth Weight:	Weight of a fetus or infant at delivery which is less than 1,500 grams (less than 3 pounds, 5 ounces).
Weeks Gestation:	The number of weeks between first day of the last reported normal menses and the delivery of the fetus or infant.
Years of Potential Life Lost (YPLL75):	A measurement of the number of years of potential life lost by each death occurring before the age of 75.

## RATES AND RATIOS

Abortion Ratio:	$\frac{\text{induced abortions}}{\text{live births}}$	x 1,000
Age-Adjusted Death Rate:	$\frac{\sum M_a P_a}{P}$	x 1,000 or 100,000
Where	$M_a$	= age-specific death rate per 1,000 or 100,000 population for a given age-group
	$P_a$	= standard population in a given age-group
	$P$	= total standard population
Age-Specific Death Rate:	$\frac{\text{deaths in a specific age-group}}{\text{population in a specific age-group}}$	x 1,000
Age-Specific Fertility Rate:	$\frac{\text{live births in a specific age-group}}{\text{female population in a specific age-group}}$	x 1,000
Birth Rate:	$\frac{\text{live births}}{\text{total population}}$	x 1,000
Cause-Specific Death Rate:	$\frac{\text{cause-specific deaths}}{\text{total population}}$	x 100,000
Death Rate:	$\frac{\text{total deaths}}{\text{total population}}$	x 1,000
Divorce Rate:	$\frac{\text{divorces}}{\text{total population}}$	x 1,000
Marriage Dissolution Rate:	$\frac{\text{divorces and annulments}}{\text{total population}}$	x 1,000
Fertility Rate:	$\frac{\text{live births}}{\text{female population 15-44}}$	x 1,000
Stillbirth Rate:	$\frac{\text{stillbirths}}{\text{live births + stillbirths}}$	x 1,000
Hebdomadal Death Rate:	$\frac{\text{hebdomadal deaths}}{\text{live births}}$	x 1,000
Infant Death Rate:	$\frac{\text{infant deaths}}{\text{live births}}$	x 1,000
Marriage Rate:	$\frac{\text{marriages}}{\text{total population}}$	x 1,000
Maternal Death Rate:	$\frac{\text{maternal deaths}}{\text{live births}}$	x 100,000

## RATES AND RATIOS (Cont.)

Natural Increase Rate:	live birth rate minus total death rate	
Neonatal Death Rate:	<u>neonatal deaths</u> live births	x 1,000
Out-of-Wedlock Birth Ratio:	<u>out-of-wedlock births</u> live births	x 100
Perinatal Period III Death Rate:	<u>perinatal period III deaths</u> live births + stillbirths	x 1,000
Post-Neonatal Death Rate:	<u>post-neonatal deaths</u> live births	x 1,000
Teenage Pregnancy Rate:	live births, stillbirths, abortions for females <u>in a specific age-group</u> female population in a specific age-group	x 1,000
Years of Potential Life Lost Rate	<u>years of potential life lost</u> population	x 1,000

## **SYMBOLS AND ABBREVIATIONS**

n.s.	not stated
n.a	not available
n/a	not applicable
0.0	quantity or percent more than zero but less than 0.05

Kansas Department of Health and Environment  
Office of Vital Statistics

**CERTIFICATE OF STILLBIRTH (FETAL DEATH)**

**State File Number**

1. NAME (First, Middle, Last, Suffix)		2. DATE OF DELIVERY (Month, Day, Year)	3. TIME OF DELIVERY M
4. SEX	5. CITY, TOWN, OR LOCATION OF DELIVERY	6. COUNTY OF DELIVERY	
7. PLACE OF DELIVERY <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Home Delivery <input type="checkbox"/> Clinic/Doctor's Office <input type="checkbox"/> Other (Specify) _____		8. FACILITY NAME (If not institution, give street and number and zip code)	
9. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			10. MOTHER'S LAST NAME PRIOR TO FIRST MARRIAGE
11. DATE OF BIRTH (Month, Day, Year)		12. BIRTHPLACE (State, Territory, or Foreign Country)	13. PRESENT RESIDENCE-STATE
14. COUNTY	15. CITY, TOWN, OR LOCATION		16. STREET AND NUMBER OF PRESENT RESIDENCE
17. ZIPCODE	18. INSIDE CITY LIMITS? <input type="checkbox"/> Yes <input type="checkbox"/> No	19. MOTHER'S MAILING ADDRESS (If same as residence, leave blank)	
20. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		21. DATE OF BIRTH (Month, Day, Year)	22. BIRTHPLACE (State, Territory, or Foreign Country)
23. I CERTIFY THAT THE PERSONAL INFORMATION PROVIDED ON THE CERTIFICATE IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.			24. DATE SIGNED (Month, Day, Year)
Signature of Parent (or Other Informant) ➤			
25. CAUSE/CONDITIONS CONTRIBUTING TO FETAL DEATH			
25a. INITIATING CAUSE/CONDITION (Among the choices below, please select the one which most likely began the sequence of events resulting in the death of the fetus.)			
Maternal Conditions/Diseases (Specify) _____			
Complications of Placenta, Cord, or Membranes – <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____			
Other Obstetrical or Pregnancy Complications (Specify) _____			
Fetal Injury (Specify) _____			
Other Fetal Conditions/Disorders (Specify) _____			
25b. OTHER SIGNIFICANT CAUSES OR CONDITIONS (Select or specify all other conditions contributing to death in item 25a.)			
Maternal Conditions/Diseases (Specify) _____			
Complications of Placenta, Cord, or Membranes – <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____			
Other Obstetrical or Pregnancy Complications (Specify) _____			
Fetal Injury (Specify) _____			
Other Fetal Conditions/Disorders (Specify) _____			
26. ESTIMATED TIME OF FETAL DEATH <input type="checkbox"/> Dead at time of first assessment, no labor ongoing <input type="checkbox"/> Dead at time of first assessment, labor ongoing <input type="checkbox"/> Died during labor, after first assessment <input type="checkbox"/> Unknown time of fetal death	27a. WAS AN AUTOPSY PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	27b. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	27c. WERE AUTOPSY OR HISTOLOGICAL PLACENTAL EXAMINATION RESULTS USED IN DETERMINING THE CAUSE OF FETAL DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No
28. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD. Signature ➤	29. DATE SIGNED (Month, Day, Year)	30. ATTENDANT'S NAME AND TITLE (If delivery not attended by physician) Name (Type) _____ <input type="checkbox"/> CNM/CM <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____	
31. CERTIFIER'S NAME AND TITLE (Type) _____ <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> Other (Specify) _____	32. CERTIFIER'S MAILING ADDRESS (Street and Number or Rural Route, City or Town, State, Zip Code)	33a. METHOD OF DISPOSITION <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Donation <input type="checkbox"/> Hospital Disposition <input type="checkbox"/> Removal from State <input type="checkbox"/> Other (Specify) _____	
33b. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)	33c. LOCATION (City or Town, and State)		
34. FUNERAL DIRECTOR OR HOSPITAL ADMINISTRATOR Signature ➤	35. FIRM OR HOSPITAL NAME AND ADDRESS	36. DATE FILED BY STATE REGISTRAR (Month, Day, Year)	

## CERTIFICATE OF STILLBIRTH (Cont.)

CONFIDENTIAL INFORMATION FOR INTERNAL USE ONLY

37. IF HOME DELIVERY, WAS DELIVERY PLANNED AT HOME? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			38. MOTHER'S MEDICAL RECORD NO.
39a. WAS MOTHER EVER MARRIED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		39b. MOTHER MARRIED? (At birth, conception or any time between) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
40. PARENT'S HISPANIC ORIGIN (Check the box or boxes that best describes whether the parent is Spanish, Hispanic, or Latino. Check the "no" box if the parent is not Spanish, Hispanic, or Latino.)		41. PARENT'S RACE (Check one or more races to indicate what you consider yourself to be.)	
40a. MOTHER- <input type="checkbox"/> No, not Spanish/ Hispanic/Latina  <input type="checkbox"/> Yes, Mexican/Mexican American/Chicana  <input type="checkbox"/> Yes, Puerto Rican  <input type="checkbox"/> Yes, Cuban  <input type="checkbox"/> Yes, Central American  <input type="checkbox"/> Yes, South American  <input type="checkbox"/> Yes, other Spanish/ Hispanic/Latina (Specify)  <input type="checkbox"/> Unknown		40b. FATHER- <input type="checkbox"/> No, not Spanish/ Hispanic/Latino  <input type="checkbox"/> Yes, Mexican/Mexican American/Chicano  <input type="checkbox"/> Yes, Puerto Rican  <input type="checkbox"/> Yes, Cuban  <input type="checkbox"/> Yes, Central American  <input type="checkbox"/> Yes, South American  <input type="checkbox"/> Yes, other Spanish/ Hispanic/Latino (Specify)  <input type="checkbox"/> Unknown	
		41a. MOTHER <input type="checkbox"/> White <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Black or African American <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify)  <input type="checkbox"/> Asian Indian <input type="checkbox"/> Other (Specify) <input type="checkbox"/> Chinese <input type="checkbox"/> Unknown <input type="checkbox"/> Filipino <input type="checkbox"/> Unknown <input type="checkbox"/> Japanese <input type="checkbox"/> Unknown <input type="checkbox"/> Korean <input type="checkbox"/> Unknown <input type="checkbox"/> Vietnamese <input type="checkbox"/> Unknown <input type="checkbox"/> Other Asian (Specify)	
		41b. FATHER <input type="checkbox"/> White <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Black or African American <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify)  <input type="checkbox"/> Asian Indian <input type="checkbox"/> Other (Specify) <input type="checkbox"/> Chinese <input type="checkbox"/> Unknown <input type="checkbox"/> Filipino <input type="checkbox"/> Unknown <input type="checkbox"/> Japanese <input type="checkbox"/> Unknown <input type="checkbox"/> Korean <input type="checkbox"/> Unknown <input type="checkbox"/> Vietnamese <input type="checkbox"/> Unknown <input type="checkbox"/> Other Asian (Specify)	
42. ANCESTRY - What is the parents' ancestry or ethnic origin?- Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)		43. OCCUPATION AND BUSINESS/INDUSTRY	
42a. MOTHER		Occupation	Business/Industry (Do not give name of company.)
42b. FATHER		43a. MOTHER (Most recent)	43c. MOTHER
		43b. FATHER (Usual)	43d. FATHER
44. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery.)			
44a. MOTHER'S EDUCATION		<input type="checkbox"/> 8 <sup>th</sup> grade or less <input type="checkbox"/> 9 <sup>th</sup> - 12 <sup>th</sup> grade, no diploma <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Associate degree (e.g., AA,AS) <input type="checkbox"/> Unknown <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD) <input type="checkbox"/> Master's degree (e.g., MA, MS, Meng, MEd, MSW, MBA)	
44a. FATHER'S EDUCATION		<input type="checkbox"/> 8 <sup>th</sup> grade or less <input type="checkbox"/> 9 <sup>th</sup> - 12 <sup>th</sup> grade, no diploma <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Associate degree (e.g., AA,AS) <input type="checkbox"/> Unknown <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	
45. PREVIOUS LIVE BIRTHS (Do not include this child.)		46. NUMBER OF OTHER OUTCOMES (Spontaneous or induced losses or ectopic or stillbirth pregnancies)	
45a. Now living Number _____		46a. Before 20 weeks Number _____	
45b. Now dead Number _____		46b. 20 weeks & over Number _____	
45c. DATE OF LAST LIVE BIRTH (Month, Year)		46c. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)	
52. PRENATAL CARE? <input type="checkbox"/> Yes <input type="checkbox"/> No		53. DATE OF FIRST PRENATAL CARE VISIT (Month, Day, Year)	
		54. DATE OF LAST PRENATAL CARE VISIT (Month, Day, Year)	
		55. PRENATAL VISIT – Total number (If none, enter "0")	
56. CIGARETTE SMOKING BEFORE & DURING PREGNANCY: Did mother smoke 3 mos. before or during pregnancy? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked. If none, enter "0".			
Average number of cigarettes or packs of cigarettes smoked per day: No. _____ No. _____			
Three months before pregnancy: _____ cigarettes or _____ packs			
First three months of pregnancy: _____ cigarettes or _____ packs			
Second three months of pregnancy: _____ cigarettes or _____ packs			
Third Trimester of pregnancy: _____ cigarettes or _____ packs			
57. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY			
<input type="checkbox"/> Medicaid <input type="checkbox"/> Private/Employer Ins. <input type="checkbox"/> Self-pay <input type="checkbox"/> Indian Health Service <input type="checkbox"/> CHAMPUS/TRICARE <input type="checkbox"/> Other government <input type="checkbox"/> Other <input type="checkbox"/> Unknown			
58a. MOTHER TRANSFERRED IN FOR DELIVERY DUE TO MATERNAL, MEDICAL, OR FETAL INDICATIONS?		58b. FACILITY TRANSFERRED FROM:	
<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name)			

CHILD'S NAME \_\_\_\_\_

MOTHER'S NAME \_\_\_\_\_

# CERTIFICATE OF STILLBIRTH (Cont.)

PREGNATAL	LABOR-DELIVERY/STILLBORN FETUS
<p><b>59. NUTRITION OF MOTHER</b></p> <ol style="list-style-type: none"> <li>1. Height _____</li> <li>2. Prepregnancy Weight _____</li> <li>3. Weight at delivery _____</li> <li>4. Did mother get WIC food for herself? Yes _____ No _____ Unknown _____</li> </ol>	<p><b>62. MATERNAL MORBIDITY</b> (Check all that apply.) (These are complications associated with labor and delivery.)</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Maternal transfusion</li> <li><input type="checkbox"/> Third or fourth degree perineal laceration</li> <li><input type="checkbox"/> Ruptured uterus</li> <li><input type="checkbox"/> Unplanned hysterectomy</li> <li><input type="checkbox"/> Admission to intensive care unit</li> <li><input type="checkbox"/> Unplanned operating room procedure following delivery</li> <li><input type="checkbox"/> None of the above</li> </ol>
<p><b>60. MEDICAL RISK FACTORS</b> (Check all that apply.)</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Diabetes, prepregnancy</li> <li><input type="checkbox"/> Diabetes, gestational</li> <li>3. Hypertension             <ul style="list-style-type: none"> <li><input type="checkbox"/> Prepregnancy (Chronic)</li> <li><input type="checkbox"/> Gestational (PIH, preeclampsia)</li> <li><input type="checkbox"/> Eclampsia</li> </ul> </li> <li>4. <input type="checkbox"/> Previous preterm birth</li> <li>5. <input type="checkbox"/> Other previous poor pregnancy outcome (SGA, perinatal death, etc.)</li> <li>6. <input type="checkbox"/> Vaginal bleeding during this pregnancy prior to labor</li> <li>7. <input type="checkbox"/> Pregnancy resulted from infertility treatment (If yes, check all that apply.)             <ul style="list-style-type: none"> <li><input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination</li> <li><input type="checkbox"/> Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT))</li> </ul> </li> <li>8. <input type="checkbox"/> Mother had a previous cesarean delivery, if yes, how many Number _____</li> <li>9. <input type="checkbox"/> Alcohol use No. of drinks per week: _____</li> <li>10. <input type="checkbox"/> None of the above</li> </ol>	<p><b>63. INFECTIONS PRESENT AND/OR TREATED</b> (During this pregnancy, check all that apply.)</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Gonorrhea</li> <li><input type="checkbox"/> Syphilis</li> <li><input type="checkbox"/> Herpes Simplex Virus (HSV)</li> <li><input type="checkbox"/> Chlamydia</li> <li><input type="checkbox"/> Listeria</li> <li><input type="checkbox"/> Group B Streptococcus</li> <li><input type="checkbox"/> Cytomegalovirus</li> <li><input type="checkbox"/> Parvo virus</li> <li><input type="checkbox"/> Toxoplasmosis</li> <li>10. <input type="checkbox"/> AIDS or HIV antibody</li> <li>11. <input type="checkbox"/> None of the above</li> <li>12. <input type="checkbox"/> Other (Specify) _____</li> </ol>
<p><b>61. METHOD OF DELIVERY</b></p> <ol style="list-style-type: none"> <li>1. Forceps attempted? Yes _____ No _____ Successful: Yes _____ No _____</li> <li>2. Vacuum extraction attempted? Yes _____ No _____ Successful: Yes _____ No _____</li> <li>3. Fetal presentation at delivery             <ul style="list-style-type: none"> <li><input type="checkbox"/> Cephalic</li> <li><input type="checkbox"/> Breech</li> <li><input type="checkbox"/> Other</li> </ul> </li> <li>4. Final route and method of delivery (check one)             <ul style="list-style-type: none"> <li><input type="checkbox"/> Vaginal/spontaneous</li> <li><input type="checkbox"/> Vaginal/forceps</li> <li><input type="checkbox"/> Vaginal/vacuum</li> </ul> </li> <li>5. Cesarean, if cesarean was a trial of labor attempted? Yes _____ No _____</li> <li>5. Hysterotomy/Hysterectomy Yes _____ No _____</li> </ol>	<p><b>64. CONGENITAL ANOMALIES OF THE NEWBORN</b> (Check all that apply.)</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Anencephaly</li> <li><input type="checkbox"/> Meningomyelocele/Spina bifida</li> <li><input type="checkbox"/> Cyanotic congenital heart disease</li> <li><input type="checkbox"/> Congenital diaphragmatic hernia</li> <li><input type="checkbox"/> Omphalocele</li> <li><input type="checkbox"/> Gastroschisis</li> <li><input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes)</li> <li><input type="checkbox"/> Cleft Lip with or without Cleft Palate</li> <li><input type="checkbox"/> Cleft Palate alone</li> <li>10. <input type="checkbox"/> Down Syndrome             <ul style="list-style-type: none"> <li><input type="checkbox"/> Karyotype confirmed</li> <li><input type="checkbox"/> Karyotype pending</li> </ul> </li> <li>11. <input type="checkbox"/> Suspected chromosomal disorder             <ul style="list-style-type: none"> <li><input type="checkbox"/> Karyotype confirmed</li> <li><input type="checkbox"/> Karyotype pending</li> </ul> </li> <li>12. <input type="checkbox"/> Hypospadias</li> <li>13. <input type="checkbox"/> Fetal alcohol syndrome</li> <li>14. <input type="checkbox"/> Other congenital anomalies (Specify) _____</li> <li>15. <input type="checkbox"/> None of the above</li> </ol>

THIS IS NOT PART OF THE CERTIFICATE OF STILLBIRTH  
Test required by K.S.A. 65-153F, 153G

Serological Test Made: \_\_\_\_\_ 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_ 3<sup>rd</sup> (Trimester) \_\_\_\_\_ At Delivery \_\_\_\_\_ Not Performed

If no test made, state reason: \_\_\_\_\_

Kansas Department of Health and Environment  
Office of Vital Statistics

**CERTIFICATE OF LIVE BIRTH**

115-

State File Number

1. CHILD'S NAME (First, Middle, Last, Suffix)		2. DATE OF BIRTH (Month, Day, Year)	3. TIME OF BIRTH M
4. SEX	5. BIRTH WEIGHT (Grams)	6. CITY, TOWN, OR LOCATION OF BIRTH	7. COUNTY OF BIRTH
8. PLACE OF BIRTH		9. FACILITY NAME (If not institution, give street and number)	
<input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Home Birth <input type="checkbox"/> Clinic/Doctor's Office <input type="checkbox"/> Other (Specify) _____			
10. I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS CHILD IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  Certifier's Signature > _____		11. DATE SIGNED (Month, Day, Year)	12. ATTENDANT'S NAME AND TITLE (Type)  Name <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____
13. Certifier's Name and Title (Type)  Name <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> Hosp Adm. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other <input type="checkbox"/> Other (Specify) _____		14. ATTENDANT'S MAILING ADDRESS (Street and Number or Rural Route, City, or Town, State, Zip Code)	
15. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		16. MOTHER'S LAST NAME PRIOR TO FIRST MARRIAGE	
17. DATE OF BIRTH (Month, Day, Year)		18. BIRTHPLACE (State, Territory, or Foreign Country)	19. PRESENT RESIDENCE-STATE
20. COUNTY		21. CITY, TOWN, OR LOCATION	22. STREET AND NUMBER OF PRESENT RESIDENCE
23. ZIP CODE	24. INSIDE CITY LIMITS? <input type="checkbox"/> YES <input type="checkbox"/> NO		
26. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		27. DATE OF BIRTH (Month, Day, Year)	28. BIRTHPLACE (State, Territory, or Foreign Country)
29. PARENTS REQUEST SOCIAL SECURITY NUMBER ISSUANCE? <input type="checkbox"/> YES <input type="checkbox"/> NO		30. IMMUNIZATION REGISTRY  I wish to enroll my child in the Immunization Registry <input type="checkbox"/> YES <input type="checkbox"/> NO	
31. I CERTIFY THAT THE PERSONAL INFORMATION PROVIDED ON THE CERTIFICATE IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.  Signature of Parent (or Other Informant) > _____		32. DATE SIGNED (Month, Day, Year)	33. DATE FILED BY STATE REGISTRAR (Month, Day, Year) (Vital Statistics only)

# CERTIFICATE OF LIVE BIRTH (Cont.)

CONFIDENTIAL INFORMATION FOR INTERNAL USE ONLY

34. IF HOME BIRTH, WAS DELIVERY PLANNED AT HOME? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
35. MOTHER'S SOCIAL SECURITY NUMBER		36. FATHER'S SOCIAL SECURITY NUMBER	
37a. WAS MOTHER EVER MARRIED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		37b. MOTHER MARRIED? (At birth, conception or any time between) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
37c. IF NO, HAS PATERNITY ACKNOWLEDGMENT BEEN SIGNED? <input type="checkbox"/> Yes <input type="checkbox"/> No		37d. MOTHER REFUSES TO GIVE HUSBAND'S INFORMATION <input type="checkbox"/> Yes <input type="checkbox"/> No	
38. WHAT IS THE PRIMARY LANGUAGE SPOKEN IN THE HOME? <input type="checkbox"/> English <input type="checkbox"/> Spanish <input type="checkbox"/> Vietnamese <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Russian <input type="checkbox"/> Ukrainian <input type="checkbox"/> Mandarin <input type="checkbox"/> Cantonese <input type="checkbox"/> Sign Language <input type="checkbox"/> Other (Specify) _____			
39. PARENT'S HISPANIC ORIGIN (Check the box or boxes that best describes whether the parent is Spanish, Hispanic, or Latino. Check the "No" box if the parent is not Spanish, Hispanic, or Latino.)			
39a. MOTHER	39b. FATHER	40. PARENT'S RACE (Check one or more races to indicate what you consider yourself to be.)	
		<input type="checkbox"/> White <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Black or African American <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) <input type="checkbox"/> Asian Indian <input type="checkbox"/> Other (Specify) <input type="checkbox"/> Chinese <input type="checkbox"/> Unknown <input type="checkbox"/> Filipino <input type="checkbox"/> Vietnamese <input type="checkbox"/> Japanese <input type="checkbox"/> Other Asian (Specify) <input type="checkbox"/> Korean	<input type="checkbox"/> White <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Black or African American <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) <input type="checkbox"/> Asian Indian <input type="checkbox"/> Other (Specify) <input type="checkbox"/> Chinese <input type="checkbox"/> Unknown <input type="checkbox"/> Filipino <input type="checkbox"/> Vietnamese <input type="checkbox"/> Japanese <input type="checkbox"/> Other Asian (Specify) <input type="checkbox"/> Korean
41. ANCESTRY - What is the parents' ancestry or ethnic origin? Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)		42. OCCUPATION AND BUSINESS/INDUSTRY	
41a. MOTHER		Occupation	Business/Industry (Do not give name of company.)
41b. FATHER		42a. MOTHER (Most recent)	42c. MOTHER
		42b. FATHER (Usual)	42d. FATHER
43. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery.)			
43a. MOTHER'S EDUCATION		43b. FATHER'S EDUCATION	
<input type="checkbox"/> 8 <sup>th</sup> grade or less <input type="checkbox"/> 9 <sup>th</sup> - 12 <sup>th</sup> grade; no diploma <input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MED, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)		<input type="checkbox"/> 8 <sup>th</sup> grade or less <input type="checkbox"/> 9 <sup>th</sup> - 12 <sup>th</sup> grade; no diploma <input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MED, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	
44. PREVIOUS LIVE BIRTHS (Do not include this child.)		45. NUMBER OF OTHER OUTCOMES (Spontaneous or induced losses or ectopic or stillbirth pregnancies)	46. PRENATAL CARE? <input type="checkbox"/> Yes <input type="checkbox"/> No
44a. Now living Number _____	44b. Now dead Number _____	45a. Before 20 weeks Number _____	45b. 20 weeks & over Number _____
44c. DATE OF LAST LIVE BIRTH (Month, Year)		45c. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)	
52. PLURALITY-Single, Twin, Triplet, etc. (Specify)		53. IF NOT A SINGLE BIRTH - Born First, Second, Third, etc. (Specify)	54. TOTAL LIVE BIRTHS AT THIS DELIVERY
55. IS INFANT ALIVE AT THE TIME OF THIS REPORT? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		56. IS INFANT BEING BREAST-FED AT DISCHARGE? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
57. CIGARETTE SMOKING BEFORE & DURING PREGNANCY: Did mother smoke 3 mos. before or during pregnancy? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		58. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY <input type="checkbox"/> Medicaid <input type="checkbox"/> Private/Employer Ins. <input type="checkbox"/> Self-pay <input type="checkbox"/> Indian Health Service <input type="checkbox"/> CHAMPUS/TRICARE <input type="checkbox"/> Other government <input type="checkbox"/> Other (Specify) _____	
For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked. If none, enter "0".			
Average number of cigarettes or packs of cigarettes smoked per day: No. _____			
Three months before pregnancy: _____ cigarettes or _____ packs		59. MOTHER'S MEDICAL RECORD NO.	
First three months of pregnancy: _____ cigarettes or _____ packs		60. NEWBORN'S MEDICAL RECORD NO.	
Second three months of pregnancy: _____ cigarettes or _____ packs			
Third Trimester of pregnancy: _____ cigarettes or _____ packs			
61. MOTHER TRANSFERRED IN FOR DELIVERY DUE TO MATERNAL, MEDICAL, OR FETAL INDICATIONS? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name)		62. INFANT TRANSFERRED (Within 24 hours of delivery) <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name)	
FACILITY TRANSFERRED FROM: _____			
FACILITY TRANSFERRED TO: _____			

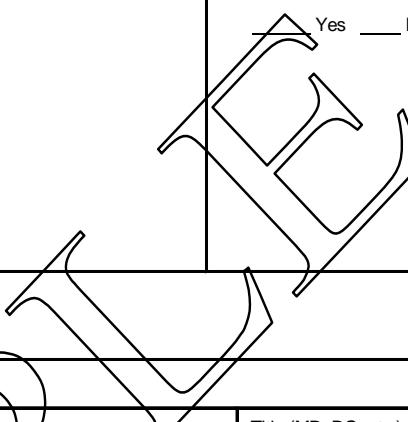
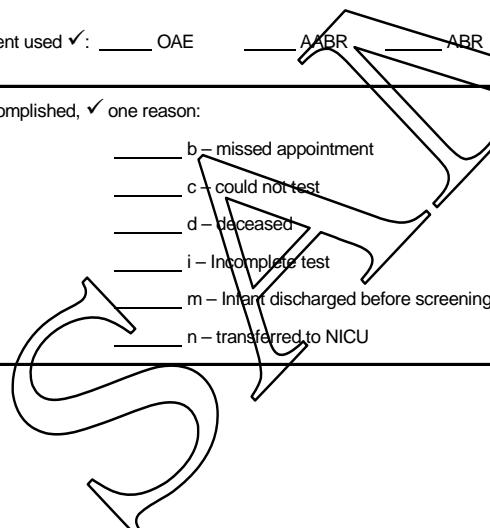
# CERTIFICATE OF LIVE BIRTH (Cont.)

CHILD'S NAME	MOTHER'S NAME		
PRENATAL (Birth)	LABOR-DELIVERY/NEWBORN		
<b>63. NUTRITION OF MOTHER</b>	<b>66. OBSTETRICAL PROCEDURES</b> (Check all that apply.)		
1. Height _____ 2. Prepregnancy Weight _____ 3. Weight at delivery _____ 4. Did mother get WIC food for herself? Yes _____ No _____ Unknown _____	1. <input type="checkbox"/> Cervical cerclage 2. <input type="checkbox"/> Tocolysis 3. External cephalic version: <input type="checkbox"/> Successful <input type="checkbox"/> Failed 4. <input type="checkbox"/> None of the above		
<b>64. MEDICAL RISK FACTORS</b> (Check all that apply.)	<b>67. ONSET OF LABOR</b> (Check all that apply.)		
1. <input type="checkbox"/> Diabetes, prepregnancy 2. <input type="checkbox"/> Diabetes, gestational 3. Hypertension <input type="checkbox"/> Prepregnancy (Chronic) <input type="checkbox"/> Gestational (PIH, preeclampsia) <input type="checkbox"/> Eclampsia 4. <input type="checkbox"/> Previous preterm birth 5. <input type="checkbox"/> Other previous poor pregnancy outcome (SGA, perinatal death, etc.) 6. <input type="checkbox"/> Vaginal bleeding during this pregnancy prior to labor 7. <input type="checkbox"/> Pregnancy resulted from infertility treatment (If yes, check all that apply.) <input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination <input type="checkbox"/> Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT)) 8. <input type="checkbox"/> Mother had a previous cesarean delivery, if yes, how many? Number: _____ 9. <input type="checkbox"/> Alcohol use No. of drinks per week: _____ 10. <input type="checkbox"/> None of the above	1. <input type="checkbox"/> Premature Rupture of the Membranes (prolonged, $\geq 12$ hours) 2. <input type="checkbox"/> Precipitous Labor (< 3 hrs) 3. <input type="checkbox"/> Prolonged Labor ( $\geq 20$ hrs) 4. <input type="checkbox"/> None of the above		
<b>65. METHOD OF DELIVERY</b>	<b>68. CHARACTERISTICS OF LABOR AND DELIVERY</b> (Check all that apply.)		
1. Forceps attempted? Yes _____ No _____ Successful Yes _____ No _____ 2. Vacuum extraction attempted? Yes _____ No _____ Successful Yes _____ No _____ 3. Fetal presentation at delivery <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other 4. Final route and method of delivery (check one) <input type="checkbox"/> Vaginal/spontaneous <input type="checkbox"/> Vaginal/forceps <input type="checkbox"/> Vaginal/vacuum 5. Cesarean, if cesarean was a trial of labor attempted? Yes _____ No _____	1. <input type="checkbox"/> Induction of labor 2. <input type="checkbox"/> Augmentation of labor 3. <input type="checkbox"/> Non-vertex presentation 4. <input type="checkbox"/> Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery 5. <input type="checkbox"/> Antibiotics received by the mother during labor 6. <input type="checkbox"/> Clinical chorioamnionitis diagnosed during labor or maternal temperature $\geq 38$ C (100.4 F) 7. <input type="checkbox"/> Moderate/heavy meconium staining of the amniotic fluid 8. <input type="checkbox"/> Fetal intolerance of labor: (examples: in-utero resuscitative measures, further fetal assessment, or operative delivery) 9. <input type="checkbox"/> Epidural or spinal anesthesia during labor 10. <input type="checkbox"/> None of the above		
	<b>69. MATERNAL MORBIDITY</b> (Check all that apply.) (These are complications associated with labor and delivery.)		
	1. <input type="checkbox"/> Maternal transfusion 2. <input type="checkbox"/> Third or fourth degree perineal laceration 3. <input type="checkbox"/> Ruptured uterus 4. <input type="checkbox"/> Unplanned hysterectomy 5. <input type="checkbox"/> Admission to intensive care unit 6. <input type="checkbox"/> Unplanned operating room procedure following delivery 7. <input type="checkbox"/> None of the above		
	<b>70. INFECTIONS PRESENT AND/OR TREATED</b> (During this pregnancy, check all that apply.)		
	1. <input type="checkbox"/> Gonorrhea 2. <input type="checkbox"/> Syphilis 3. <input type="checkbox"/> Herpes Simplex Virus (HSV) 4. <input type="checkbox"/> Chlamydia 5. <input type="checkbox"/> Hepatitis B 6. <input type="checkbox"/> Hepatitis C 7. <input type="checkbox"/> AIDS or HIV antibody 8. <input type="checkbox"/> None of the above		
	<b>71. ABNORMAL CONDITIONS OF NEWBORN</b> (Check all that apply.)		
	1. <input type="checkbox"/> Assisted ventilation required immediately following delivery 2. <input type="checkbox"/> Assisted ventilation required for more than six hours 3. <input type="checkbox"/> NICU admission 4. <input type="checkbox"/> Newborn given surfactant replacement therapy 5. <input type="checkbox"/> Antibiotics received by the newborn for suspected neonatal sepsis 6. <input type="checkbox"/> Seizure or serious neurologic dysfunction 7. <input type="checkbox"/> Significant birth injury (skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid organ hemorrhage which requires intervention) 8. <input type="checkbox"/> None of the above		
	<b>72. VACCINES ADMINISTERED TO NEWBORN</b>		
	1. <input type="checkbox"/> Hepatitis B      Date Given: _____ 2. <input type="checkbox"/> Other*      Specify: _____ Date Given: _____		
	<b>73. APGAR SCORE</b>		
	1 min	5 min	10 min
	<b>74. CONGENITAL ANOMALIES OF THE NEWBORN</b> (Check all that apply.)		
	1. <input type="checkbox"/> Anencephaly 2. <input type="checkbox"/> Meningomyelocele/Spina bifida 3. <input type="checkbox"/> Cyanotic congenital heart disease 4. <input type="checkbox"/> Congenital diaphragmatic hernia 5. <input type="checkbox"/> Omphalocele 6. <input type="checkbox"/> Gastrochisis 7. <input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes) 8. <input type="checkbox"/> Cleft Lip with or without Cleft Palate 9. <input type="checkbox"/> Cleft Palate alone 10. <input type="checkbox"/> Down Syndrome <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending 11. <input type="checkbox"/> Suspected chromosomal disorder <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending 12. <input type="checkbox"/> Hypospadias 13. <input type="checkbox"/> Fetal alcohol syndrome 14. <input type="checkbox"/> Other congenital anomalies (Specify) _____ 15. <input type="checkbox"/> None of the above		

# CERTIFICATE OF LIVE BIRTH (Cont.)

CHILD'S NAME \_\_\_\_\_

MOTHER'S NAME \_\_\_\_\_

<p>Test required by K.S.A. 65-153f 153G Serological Test Made:</p> <p><input type="checkbox"/> 1<sup>st</sup> <input type="checkbox"/> 2<sup>nd</sup> <input type="checkbox"/> 3<sup>rd</sup> (Trimester) <input type="checkbox"/> At Delivery <input type="checkbox"/> Not Performed</p> <p>If no test made, state reason:</p>	<p>Test required by K.S.A. 65-180 Infant Neonatal Screening specimen taken:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If no test made, state reason:</p>	<p>Test required by K.S.A. 65-1157A Newborn Hearing Screening Accomplished:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> 						
<p>Infant's patient number:</p>								
<p>Infant's Primary Care Physician</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 2px;">First</td> <td style="width: 33%; padding: 2px;">Middle</td> <td style="width: 33%; padding: 2px; text-align: right;">Last</td> </tr> <tr> <td colspan="2"></td> <td style="padding: 2px;">Title (MD, DO, etc.)</td> </tr> </table>			First	Middle	Last			Title (MD, DO, etc.)
First	Middle	Last						
		Title (MD, DO, etc.)						
<p>If screening accomplished, Date hearing screened</p> <p><input type="checkbox"/> Month / <input type="checkbox"/> Day / <input type="checkbox"/> Year</p>	<p>The results of the hearing screening ✓</p> <p>Right ear: <input type="checkbox"/> Pass <input type="checkbox"/> Refer for further testing Left ear: <input type="checkbox"/> Pass <input type="checkbox"/> Refer for further testing</p>							
<p>Physiologic equipment used ✓: <input type="checkbox"/> OAE <input type="checkbox"/> AABR <input type="checkbox"/> ABR</p>								
<p>If screening not accomplished, ✓ one reason:</p> <p><input type="checkbox"/> b - missed appointment <input type="checkbox"/> c - could not test <input type="checkbox"/> d - deceased <input type="checkbox"/> i - Incomplete test <input type="checkbox"/> m - Infant discharged before screening <input type="checkbox"/> n - transferred to NICU</p> <p><input type="checkbox"/> o - other <input type="checkbox"/> r - did not consent <input type="checkbox"/> s - scheduled but not completed <input type="checkbox"/> t - transferred to another hospital <input type="checkbox"/> u - no information <input type="checkbox"/> x - invalid results</p> 								

TYPE  
OR  
PRINT IN  
PERMANENT  
INK

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  
Office of Health Assessment  
Curtis State Office Building, Suite 130  
1000 SW Jackson  
Topeka, Kansas 66612-1354  
785-296-8627

Report of Induced Termination of Pregnancy

State File Number

INSTRUCTIONS SEE HANDBOOK

1. Provider Identification Number											
2. Patient ID Number	3. Age on Last Birthday	4. Married <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Date of Pregnancy Termination <table border="1"><tr><td>Month</td><td>Day</td><td>Year</td></tr></table>	Month	Day	Year					
Month	Day	Year									
6a. Residence US State or Country	6b. County	6c. City or Town	6d. Inside City Limits <input type="checkbox"/> Yes <input type="checkbox"/> No								
7a. Hispanic Origin (Check the box or boxes that best describes whether the individual is Spanish, Hispanic, or Latina, or not Spanish, Hispanic, or Latina)	7b. Ancestry (Enter the name of the country that best describes the heritage or origin of the individual)	8. Race (Check one or more races to indicate what the individual considers herself to be) <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native Principal Tribe(s) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (specify) _____ <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Unknown	9. Education (specify only highest grade completed) <input type="checkbox"/> 8th grade or less <input type="checkbox"/> 9th-12th grade no diploma <input type="checkbox"/> High school graduate/GED <input type="checkbox"/> Some College - no degree <input type="checkbox"/> Associate degree <input type="checkbox"/> Bachelor's degree <input type="checkbox"/> Master's degree <input type="checkbox"/> Doctorate <input type="checkbox"/> Unknown								
10. Date Last Normal Menses Began <table border="1"><tr><td>Month</td><td>Day</td><td>Year</td></tr></table>	Month	Day	Year	11. Clinical Estimate of Gestational Age (Weeks) (?)	12. Previous Pregnancies (Enter number or zero in every section) <table border="1"><tr><td>Live Births</td><td>12a. Now Living</td><td>12b. Now Dead</td><td>12c. Previous Induced Abortions</td><td>12d. Spontaneous Terminations (Miscarriages, Fetal Deaths)</td></tr></table>		Live Births	12a. Now Living	12b. Now Dead	12c. Previous Induced Abortions	12d. Spontaneous Terminations (Miscarriages, Fetal Deaths)
Month	Day	Year									
Live Births	12a. Now Living	12b. Now Dead	12c. Previous Induced Abortions	12d. Spontaneous Terminations (Miscarriages, Fetal Deaths)							
13 TERMINATION PROCEDURES											
13a Procedure that terminated pregnancy (Check only one) <input type="checkbox"/> Suction Curettage <input type="checkbox"/> Sharp Curettage <input type="checkbox"/> Dilation & Evacuation <input type="checkbox"/> Medical Procedure I (Mifepristone) <input type="checkbox"/> Medical Procedure II (Methotrexate) <input type="checkbox"/> Intra-Uterine Prostaglandin Instillation <input type="checkbox"/> Hysterotomy <input type="checkbox"/> Hysterectomy <input type="checkbox"/> Digoxin/Induction <input type="checkbox"/> Partial Birth (2) <input type="checkbox"/> Other (Specify) _____	13b Additional procedures used for this termination, if any (Check all that apply) <input type="checkbox"/> Suction Curettage <input type="checkbox"/> Sharp Curettage <input type="checkbox"/> Dilation & Evacuation <input type="checkbox"/> Medical Procedure I (Mifepristone) <input type="checkbox"/> Medical Procedure II (Methotrexate) <input type="checkbox"/> Intra-Uterine Prostaglandin Instillation <input type="checkbox"/> Hysterotomy <input type="checkbox"/> Hysterectomy <input type="checkbox"/> Digoxin/Induction <input type="checkbox"/> Partial Birth (2) <input type="checkbox"/> Other (Specify) _____										

1 If clinical estimate of gestational age is 22 weeks or more, complete reverse side of form

2 If Partial Birth Procedure as defined by KSA 65-6721 is used, complete reverse side of form

## REPORT OF INDUCED TERMINATION OF PREGNANCY (Cont.)

**Complete the following items only if the clinical estimate of gestational age is 22 weeks or more**

14. Reasons for determining gestational age 22 weeks or more

15a Was fetus viable?  
 YES       NO

15b Reasons for the determination

Complete 16a-c only if 15a is yes

16a Was this abortion necessary to  
(Check all that apply)

- Prevent patient's death
- Prevent substantial and irreversible impairment of a major bodily function

16b Reasons for determination

16c Basis for determination

**Complete the following items only if a partial birth procedure was performed**

17a Was fetus viable?  
 YES     

17b Reasons for determination

Complete 18a-b only if 17a is yes

18a Was this abortion necessary to  
(Check all that apply)

- Prevent patient's death
- Prevent substantial and irreversible impairment of a major bodily function

If so, was the impairment

- Physical
- Mental

18b Reasons for determination

Kansas Department Of Health And Environment  
Office of Vital Statistics

**CERTIFICATE OF DEATH**

State File Number

1. DECEDENT'S LEGAL NAME (First, Middle, Last)		2. SEX	3. IF FEMALE, NAME PRIOR TO FIRST MARRAIGE		4. DATE OF DEATH (Month, Day, Year)
5. SOCIAL SECURITY NUMBER	6. DATE OF BIRTH (Month, Day, Year)	7a. AGE-Last Birthday (Years)	7b. UNDER 1 YEAR Months	7c. UNDER 1 DAY Days Hours Minutes	8. PLACE OF BIRTH (City and State or Foreign Country)
9. WAS DECEDENT EVER IN U.S. ARMED FORCES?		10a. PLACE OF DEATH (Check only one)  <input type="checkbox"/> HOSPITAL <input type="checkbox"/> Inpatient <input type="checkbox"/> DOA <input type="checkbox"/> ER/Outpatient <input type="checkbox"/> Nursing Home <input type="checkbox"/> Hospice Facility <input type="checkbox"/> Decedent's Residence <input type="checkbox"/> Other (Specify) _____			
10b. FACILITY NAME (If not institution, give street and number)		10c. COUNTY OF DEATH		10d. CITY OR TOWN OF DEATH	10e. ZIP CODE
11. MARITAL STATUS  <input type="checkbox"/> Married <input type="checkbox"/> Married, but separated <input type="checkbox"/> Widowed <input type="checkbox"/> Divorced <input type="checkbox"/> Never Married <input type="checkbox"/> Unknown				12. SURVIVING SPOUSE (If wife, give name before first marriage)	
13a. RESIDENCE-STREET ADDRESS & APARTMENT NO.				13b. STATE	
13c. COUNTY		13d. CITY OR TOWN		13e. ZIP CODE	13f. INSIDE CITY LIMITS?  <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
14. FATHER'S NAME (First, Middle, Last)				15. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last)	
16a. INFORMANT'S NAME (First, Middle, Last)		16b. MAILING ADDRESS (Street and Number, City, State, Zip Code)			16c. RELATIONSHIP TO DECEDENT
17. METHOD OF DISPOSITION  <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Removal from State <input type="checkbox"/> Donation <input type="checkbox"/> Embalming <input type="checkbox"/> Other (Specify) _____			18a. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)		18b. LOCATION-City or Town, and State
19. FUNERAL SERVICE LICENSEE & LICENSE NO. (Signature) ►					
20. NAME OF EMBALMER & LICENSE NO.					
21. NAME AND ADDRESS OF FIRM					
22. CAUSE OF DEATH – Part I. Enter the chain of events - diseases, injuries, or complications that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line. Add additional lines, if necessary.  <b>IMMEDIATE CAUSE</b> (Final disease or condition resulting in death) a. DUE TO (OR AS A CONSEQUENCE OF): b. DUE TO (OR AS A CONSEQUENCE OF): c. DUE TO (OR AS A CONSEQUENCE OF): d. DUE TO (OR AS A CONSEQUENCE OF):  Approximate Interval: Onset to Death					
PART II. Enter other significant conditions contributing to death, but not resulting in the underlying cause given in Part I.			23a. AUTOPSY  <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	23b. WERE AUTOPSY FINDINGS AVAILABLE TO COMPLETE THE CAUSE OF DEATH?  <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> Not Applicable	23c. WAS CORONER CONTACTED?  <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
24. DID TOBACCO USE CONTRIBUTE TO DEATH?  <input type="checkbox"/> Yes <input type="checkbox"/> Probably <input type="checkbox"/> No <input type="checkbox"/> Unknown		25. IF FEMALE  <input type="checkbox"/> Not pregnant within past year <input type="checkbox"/> Not pregnant, but pregnant 43 days to 1 year before death <input type="checkbox"/> Pregnant at time of death <input type="checkbox"/> Unknown if pregnant within the last year <input type="checkbox"/> Not pregnant, but pregnant within 42 days of death		26. MANNER OF DEATH  <input type="checkbox"/> Natural <input type="checkbox"/> Homicide <input type="checkbox"/> Accident <input type="checkbox"/> Pending Investigation <input type="checkbox"/> Suicide <input type="checkbox"/> Could not be determined	
27a. DATE OF INJURY (Month, Day, Year)		27b. TIME OF INJURY A.M. P.M.	27c. INJURY AT WORK A.M. P.M.	27d. DESCRIBE HOW INJURY OCCURRED	
27e. PLACE OF INJURY-Residence, farm, street, factory, building, etc. (Specify)				27f. LOCATION (Street and Number or Rural Route, City or Town, State, Zip Code)	
28a. DATE PRONOUNCED DEAD (Month, Day, Year)		28b. TIME PRONOUNCED DEAD A.M. P.M.	28c. ACTUAL OR PRESUMED TIME OF DEATH A.M. P.M.	28d. NAME OF PERSON PRONOUNCING DEATH (If applicable)	
28e. LICENSE NO.					
29a. CERTIFIER (Check only one)  <input type="checkbox"/> Certifying physician - To the best of my knowledge, death occurred due to the cause(s) and manner stated. <input type="checkbox"/> Pronouncing & Certifying physician - To the best of my knowledge, death occurred at the time, date, and place, and due to the cause(s) and manner stated. <input type="checkbox"/> Coroner - On the basis of examination, and/or investigation, in my opinion, death occurred at the time, date, and place, and due to the cause(s) and manner stated.		LICENSURE NO.		DATE CERTIFIER SIGNED	
29b. NAME, ADDRESS, AND ZIP CODE OF PERSON COMPLETING CAUSE OF DEATH				29c. M.D. <input type="checkbox"/> D.O.	
30. DATE FILED BY STATE REGISTRAR (Month, Day, Year)					

<p>31. ANCESTRY-What is this person's ancestry or ethnic origin? Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)</p> <hr/>	<p>33. RACE (Check one or more boxes to indicate what race(s) the decedent considered himself or herself to be.)</p>	<p>34. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of death.)</p>
<p>32. HISPANIC ORIGIN (Check the box or boxes that best describes whether the decedent is Spanish/Hispanic/Latino. Check the "no" box if the decedent is not Spanish/Hispanic/Latino)</p> <hr/> <p><input type="checkbox"/> No, not Spanish/Hispanic/Latino  <input type="checkbox"/> Yes, Mexican/Mexican American/Chicano  <input type="checkbox"/> Yes, Puerto Rican  <input type="checkbox"/> Yes, Cuban  <input type="checkbox"/> Yes, Central American  <input type="checkbox"/> Yes, South American  <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify)  <hr/> <input type="checkbox"/> Unknown</p>	<p><input type="checkbox"/> White  <input type="checkbox"/> Black or African American  <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes)</p> <hr/> <p><input type="checkbox"/> Asian Indian  <input type="checkbox"/> Chinese  <input type="checkbox"/> Filipino  <input type="checkbox"/> Japanese  <input type="checkbox"/> Korean  <input type="checkbox"/> Vietnamese  <input type="checkbox"/> Other Asian (Specify)</p> <hr/> <p><input type="checkbox"/> Native Hawaiian  <input type="checkbox"/> Chamorro  <input type="checkbox"/> Samoan  <input type="checkbox"/> Other Pacific Islander (Specify)</p> <hr/> <p><input type="checkbox"/> Other (Specify)</p> <hr/> <p><input type="checkbox"/> Unknown</p>	<p><input type="checkbox"/> 8<sup>th</sup> grade or less  <input type="checkbox"/> 9<sup>th</sup> - 12<sup>th</sup> grade; no diploma  <input checked="" type="checkbox"/> High school graduate or GED  <input type="checkbox"/> Some College credit, but no degree  <input type="checkbox"/> Associate degree (e.g., A.A., AS)  <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)  <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)  <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)  <input type="checkbox"/> Unknown</p>
		<p>35. DECEDENT'S USUAL OCCUPATION (Give kind of work done during most of working life. Do not use retired.)</p> <hr/> <p>36. KIND OF BUSINESS/INDUSTRY (Do not give name of company.)</p> <hr/>

**STATE OF KANSAS**  
**DEPARTMENT OF HEALTH AND ENVIRONMENT**  
**Office of Vital Statistics**  
**Marriage License**

License No.

1. GROOM'S NAME - FIRST	MIDDLE	LAST	2. DATE OF BIRTH (Month, Day, Year)	
3. BIRTHPLACE (State or Foreign Country)	4. RESIDENCE – STATE OR FOREIGN COUNTRY	5. COUNTY OR PROVINCE	6. CITY OR TOWN	
7. FATHER'S NAME (First, Middle, Last)		8. BIRTHPLACE (State or Foreign Country)	9. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last)	10. BIRTHPLACE (State or Foreign Country)
11. BRIDE'S NAME- FIRST		MIDDLE	LAST	
12. LAST NAME PRIOR TO FIRST MARRIAGE (If different)		13. DATE OF BIRTH (Month, Day, Year)	14. BIRTHPLACE (State or Foreign Country)	
15. RESIDENCE – STATE OR FOREIGN COUNTRY		16. COUNTY OR PROVINCE	17. CITY OR TOWN	
18. FATHER'S NAME (First, Middle, Last)		19. BIRTHPLACE (State or Foreign Country)	20. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last)	21. BIRTHPLACE (State or Foreign Country)
22. NAME OF PARENT OR GUARDIAN CONSENTING (If applicable)				

Completed marriage license is to be returned to Issuing District Court within 10 days after marriage:

23. DISTRICT COURT OF ISSUANCE	24. DATE LICENSE ISSUED (Month, Day, Year)	26. EXPIRATION DATE (Month, Day, Year)
26. ISSUING OFFICIAL	27. TITLE OF ISSUING OFFICIAL	28. DATE RECEIVED BY COURT OFFICIAL

**This License Authorizes the Marriage in This State of the Parties Named Above By Any Person Duly Authorized to Perform a Marriage Ceremony Under the Laws of the State of Kansas.**

29. I CERTIFY THAT THE ABOVE NAMED PERSONS WERE MARRIED ON: (Month, Day, Year)	30. WHERE MARRIED - COUNTY	31. CITY OR TOWN
32. SIGNATURE OF PERSON PERFORMING CEREMONY	33. NAME OF PERSON PERFORMING CEREMONY (Please type or print)	34. TITLE
35. ADDRESS OF PERSON PERFORMING CEREMONY (Street and No. or Rural Route, City or Town, State, Zip Code)		
36. WITNESS NAME TO CEREMONY (Print or Type)      37. WITNESS NAME TO CEREMONY (Print or Type)		

STATISTICAL INFORMATION  
(THE INFORMATION BELOW WILL NOT APPEAR ON CERTIFIED COPIES OF THE RECORD.)

38. NUMBER OF THIS MARRIAGE First, Second etc. (Specify below)	39. IF PREVIOUSLY MARRIED, LAST MARRIAGE ENDED By Death, Divorce, or Annulment (Specify below)	DATE RECEIVED BY STATE REGISTRAR (Vital Statistics Use Only)						
38a. GROOM	39a. GROOM	40. GROOM'S SOCIAL SECURITY NUMBER						
38b. BRIDE	39c. BRIDE	41. BRIDE'S SOCIAL SECURITY NUMBER						
42. GROOM AND BRIDE'S HISPANIC ORIGIN (Check the box or boxes that best describes whether you are Spanish, Hispanic or Latino. Check the "no" box if you are not Spanish, Hispanic or Latino.)								
43. GROOM AND BRIDE'S RACE (Check one or more boxes to indicate what race(s) you consider yourself to be.)								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; vertical-align: top;">           42a. GROOM   <input type="checkbox"/> No, not Spanish/ Hispanic/Latino  <input type="checkbox"/> Yes, Mexican, Mexican American, Chicano  <input type="checkbox"/> Yes, Puerto Rican  <input type="checkbox"/> Yes, Cuban  <input type="checkbox"/> Yes, Central American  <input type="checkbox"/> Yes, South American  <input type="checkbox"/> Yes, other Spanish/ Hispanic/Latino (Specify) _____  <input type="checkbox"/> Unknown         </td> <td style="width: 33%; vertical-align: top;">           42b. BRIDE   <input type="checkbox"/> No, not Spanish/ Hispanic/Latino  <input type="checkbox"/> Yes, Mexican, Mexican American, Chicana  <input checked="" type="checkbox"/> Yes, Puerto Rican  <input type="checkbox"/> Yes, Cuban  <input type="checkbox"/> Yes, Central American  <input type="checkbox"/> Yes, South American  <input type="checkbox"/> Yes, other Spanish/ Hispanic/Latino (Specify) _____  <input type="checkbox"/> Unknown         </td> <td style="width: 34%; vertical-align: top;">           43a. GROOM   <input type="checkbox"/> White  <input type="checkbox"/> Black or African American  <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ _____   <input type="checkbox"/> Asian Indian  <input type="checkbox"/> Chinese  <input type="checkbox"/> Filipino  <input type="checkbox"/> Japanese  <input type="checkbox"/> Other (Specify) _____ _____         </td> <td style="width: 33%; vertical-align: top;">           43b. BRIDE   <input type="checkbox"/> White  <input type="checkbox"/> Black or African American  <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ _____   <input type="checkbox"/> Asian Indian  <input type="checkbox"/> Chinese  <input type="checkbox"/> Filipino  <input type="checkbox"/> Japanese  <input type="checkbox"/> Other (Specify) _____ _____         </td> </tr> </table>			42a. GROOM  <input type="checkbox"/> No, not Spanish/ Hispanic/Latino <input type="checkbox"/> Yes, Mexican, Mexican American, Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/ Hispanic/Latino (Specify) _____ <input type="checkbox"/> Unknown	42b. BRIDE  <input type="checkbox"/> No, not Spanish/ Hispanic/Latino <input type="checkbox"/> Yes, Mexican, Mexican American, Chicana <input checked="" type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/ Hispanic/Latino (Specify) _____ <input type="checkbox"/> Unknown	43a. GROOM  <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ _____  <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Other (Specify) _____ _____	43b. BRIDE  <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ _____  <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Other (Specify) _____ _____		
42a. GROOM  <input type="checkbox"/> No, not Spanish/ Hispanic/Latino <input type="checkbox"/> Yes, Mexican, Mexican American, Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/ Hispanic/Latino (Specify) _____ <input type="checkbox"/> Unknown	42b. BRIDE  <input type="checkbox"/> No, not Spanish/ Hispanic/Latino <input type="checkbox"/> Yes, Mexican, Mexican American, Chicana <input checked="" type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/ Hispanic/Latino (Specify) _____ <input type="checkbox"/> Unknown	43a. GROOM  <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ _____  <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Other (Specify) _____ _____	43b. BRIDE  <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ _____  <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Other (Specify) _____ _____					
44. EDUCATION (Check the box that best describes the highest degree or level of school completed)								
44a. GROOM'S EDUCATION <input type="checkbox"/> 8 <sup>th</sup> grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) <input type="checkbox"/> Unknown			<input type="checkbox"/> 9 <sup>th</sup> - 12 <sup>th</sup> grade; no diploma <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)			<input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)		
44b. BRIDE'S EDUCATION <input type="checkbox"/> 8 <sup>th</sup> grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) <input type="checkbox"/> Unknown			<input type="checkbox"/> 9 <sup>th</sup> - 12 <sup>th</sup> grade; no diploma <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)			<input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)		

**STATE OF KANSAS**  
**KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT**  
Office of Vital Statistics  
**CERTIFICATE OF DIVORCE OR ANNULMENT**

CASE NUMBER		State File Number						
1. HUSBAND'S NAME (First, Middle, Last)		2. DATE OF BIRTH (Month, Day, Year)						
3. RESIDENCE-STATE		4. COUNTY						
5. WIFE'S NAME (First, Middle, Last)		6. WIFE'S LAST NAME PRIOR TO FIRST MARRIAGE						
7. DATE OF BIRTH (Month, Day, Year)	8. RESIDENCE-STATE	9. COUNTY						
10. PLACE OF THIS MARRIAGE - STATE OR FOREIGN COUNTRY	11. COUNTY	12. DATE OF THIS MARRIAGE (Month, Day, Year)	13. NUMBER OF CHILDREN UNDER 18 IN THIS HOUSEHOLD AS OF DATE IN ITEM 11					
14. PETITIONER  <input type="checkbox"/> Husband <input type="checkbox"/> Wife <input type="checkbox"/> Both <input type="checkbox"/> Other (Specify) _____		15. NAME OF PETITIONER'S ATTORNEY (Type)						
16. ATTORNEY'S ADDRESS (Street and Number or Rural Route, City or Town, State, Zip Code)								
17. DATE DECREE FILED (Month, Day, Year)	18. TYPE OF DECREE-(Specify)  <input type="checkbox"/> Divorce <input type="checkbox"/> Annulment	19. COUNTY OF DECREE	20. DATE FILED BY STATE REGISTRAR (Month, Day, Year)					
THE INFORMATION BELOW WILL NOT APPEAR ON CERTIFIED COPIES OF THE RECORD.								
<p>K.S.A. 65-2422B, REQUIRES THE DIVORCE REPORT TO INCLUDE THE SOCIAL SECURITY NUMBER OF BOTH PARTIES TO MAKE SUCH INFORMATION AVAILABLE TO THE SECRETARY OF SOCIAL AND REHABILITATION SERVICES FOR THE PURPOSE OF ESTABLISHING, MODIFYING, OR ENFORCING A SUPPORT OBLIGATION.</p>								
21. HUSBAND'S SOCIAL SECURITY NUMBER		22. WIFE'S SOCIAL SECURITY NUMBER						
23. NUMBER OF THIS MARRIAGE First, Second, etc. (Specify below)		24. IF PREVIOUSLY MARRIED, LAST MARRIAGE ENDED  By Death, Divorce, or Annulment (Specify below)      Date (Month, Day, Year)						
23a. HUSBAND	24a. HUSBAND	24b. HUSBAND						
23b. WIFE	24c. WIFE	24d. WIFE						
25. HISPANIC ORIGIN (Check the box or boxes that best describes whether you are Spanish, Hispanic, or Latino. Check the "no" box if you are not Spanish, Hispanic, or Latino.)		26. RACE (Check one or more boxes to indicate what race(s) you consider yourself to be.)						
25a. HUSBAND	25b. WIFE	26a. HUSBAND	26b. WIFE					
<input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican/Mexican American/Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify)  <input type="checkbox"/> Unknown		<input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____  <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Unknown						
<input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican/Mexican American/Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify)  <input type="checkbox"/> Unknown		<input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____  <input type="checkbox"/> Asian Indian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Chinese <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify)  <input type="checkbox"/> Japanese <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Unknown						
27. EDUCATION (Check the box that best describes the highest degree or level of school completed.)								
27a. HUSBAND'S EDUCATION	<input type="checkbox"/> 8 <sup>th</sup> grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)			<input type="checkbox"/> 9 <sup>th</sup> - 12 <sup>th</sup> grade; no diploma <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)			<input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)	
27b. WIFE'S EDUCATION	<input type="checkbox"/> 8 <sup>th</sup> grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)			<input type="checkbox"/> 9 <sup>th</sup> - 12 <sup>th</sup> grade; no diploma <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)			<input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)	

# Errata

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On May 30, 2012, the KDHE Bureau of Epidemiology and Public Health Informatics made corrections to 9 tables in the Annual Summary 2010. These changes occurred to Tables 4, 9, 33, 34, 43, 49, 70, 74, 75 and involved the composition of the counties in two of the five population density peer groups. Because of a methodological error, Doniphan County was assigned to the "Rural" peer group when it should have been in the "Densely-settled Rural" peer group. The corrections, now applied to this spreadsheet adjust the counts and rates, where appropriate, for those two peer groups. Values for the other peer groups, counties and the state in these 9 tables remain unchanged.

These same 9 tables as well as the technical notes have also been updated in the PDF version of the 2010 Annual Summary.

On April 15, 2015, the KDHE Bureau of Epidemiology and Public Health Informatics made corrections to Table 23 in the Annual Summary 2010. The changes reflected the correction of a logic error in the computer code which had inflated the "Less than Recommended Weight Gain" at the expense of the "N.S." column. Values for other columns in this table remain unchanged.